



FIELD KIT

Vermeer Corporation

Environmental
Pella, Iowa 50219 USA

FIELD CAMPAIGN KIT #:	IK004006	DATE:	Released
For Dealer Reference: Service Bulletin #: SVC2022-010			
Safety Chains and Tension-loaded Pintle Kits			

CAMPAIGN TYPE:	Customer Choice/Enhancements
CAMPAIGN CATEGORY:	Kit and Bulletin

MACHINE/ ATTACHMENT MODEL(S):	SERIAL NUMBERS:		
	Included	Excluded	Kit version
BC1200XL Domestic	99 – 6105	See below	IK01
BC1200XL International	99 – 6105	See below	IK02
BC1500 Domestic	101 – 12456	See below	IK03
BC1500 International	101 – 12456	See below	IK04

BC1200XL excluded	BC1500 excluded
105, 127 – 135, 169 – 174, 180, 193 – 198, 225 – 229, 249, 250, 337 – 340, 347 – 350, 355, 360, 364 – 379, 383, 390 – 392, 402 – 404, 416, 417, 435 – 439, 1013, 1017, 1067, 1068, 1092 – 1095, 1130 – 1133, 1137 – 1140, 1150 – 1152, 1182, 1186, 1218 – 1221, 1223, 1229 – 1231, 1271, 1272, 1296 – 1299, 1301 – 1305, 1307, 1313, 1315, 1340, 1369, 1415, 1428, 1429, 1447, 1450, 1472, 1473, 1487 – 1489, 1550, 1551, 1560, 1585, 1596, 1598 – 1602, 3005 – 3008, 3011, 3012, 3324, 3391, 3396, 3402, 3403, 3410, 3411, 3427, 3428, 3437, 3442, 3443, 3447, 3476, 3477, 3480, 3496, 3504, 3513, 3521, 3522, 3530, 3541, 3542, 3545, 3546, 3550, 3557, 3558, 3577, 3578, 3584 – 3587, 3598, 3602, 3605, 3609, 4534, 4542, 4544, 4545, 6002, 6013, 6016, 6022, 6025, 6028, 6034, 6049, 6063, 6078, 6086, 6091, 6095, 6099, 6104	167, 174, 175, 202 – 205, 270, 271, 280, 282 – 284, 293, 294, 297, 298, 316 – 321, 410, 411, 419 – 421, 425 – 429, 462, 470, 1088, 1092, 1117, 1151, 1153, 1155, 1281 – 1286, 1460, 1462, 1464, 1487 – 1489, 1501, 1526, 1528, 1558, 1559, 1561, 1562, 1577 – 1579, 2002, 2060, 2092, 2093, 2152 – 2154, 2176, 2186, 2189, 2192, 2193, 2203 – 2205, 2213, 2214, 2244, 2247, 2253, 2254, 2276, 2283 – 2288, 2327, 2329, 2330, 2355 – 2358, 2393, 2456 – 2458, 2463 – 2466, 2479 – 2481, 2504, 2505, 2521 – 2523, 2557, 2586, 2588, 2590, 2608, 2609, 2668, 2669, 2674, 2675, 2707 – 2711, 2721, 2722, 2731 – 2734, 2739, 2769 – 2772, 2778 – 2783, 2792, 2800, 2803, 2809 – 2811, 2830 – 2832, 2841, 2842, 2921, 2922, 2939, 2953, 2954, 2966, 2967, 2978, 2979, 2981, 3064 – 3066, 3082 – 3085, 3111, 3112, 3151 – 3153, 3158 – 3161, 3163 – 3166, 5136 – 5139, 5329, 5330, 5522 – 5526, 5600, 5606, 5609, 5612, 5623, 5626, 5649, 5652, 5656, 5659, 5718, 5803, 5823, 5838, 5910, 5913, 5916, 5919, 5922, 5933, 6019 – 6021, 634, 6035, 6073, 6112, 6113, 6115 – 6117, 6210 – 6220, 6297, 6298, 6300, 6302, 6322, 6351, 6356, 6361, 6370, 6373, 6379, 6406, 6409, 6411, 6413, 6414, 6420, 6423, 6426, 6430, 6443, 6452, 6464, 6467, 6478, 6480, 6482, 6557 – 6560, 6575, 6588, 6590, 6597, 6599, 6626, 6626, 6632, 6635, 6669, 6671, 6683, 6686, 6723, 6726, 6729, 6732, 6786, 6788, 6790, 6793, 6796, 8014, 8222, 8224, 8279, 8284, 8298 – 8301, 8303, 8347, 8349, 8350, 8358, 8359, 8362, 8363, 8386 – 8388, 8390, 8392, 8394, 8440, 8441, 8808, 8826, 9045, 9047, 9049, 9051, 9053, 9062, 9064, 9066, 9068, 9070, 9074, 9076, 9078, 9080, 9087, 9089, 9091, 9093, 9102, 9105, 9108, 9197, 9259, 9267, 9438, 9451, 9465, 9508, 9512, 9535, 9553, 9555, 9632, 9635, 9655, 9656, 9679, 9686, 9687, 9701, 9711, 9718, 9719, 9732, 9738, 9817, 9840, 9879, 9880, 9899, 9925, 9940, 9956, 9964, 9974, 9985, 9995, 10011, 11001, 11012, 11022, 11032, 11033, 11044, 11056, 11057, 11068, 11081, 11082, 11091, 11092, 11103, 11106, 11107, 11116, 11117, 11129, 11130, 11152, 11154, 11155, 11164, 11174, 11187, 11234, 12001, 12036, 12071, 12079, 12092, 12103, 12114, 12115, 12126, 12133, 12144, 12158, 12169, 12177, 12190, 12202, 12233, 12245, 12256, 12269, 12279, 12292, 12306, 12330, 12343, 12355, 12367, 12380, 12392, 12394, 12407, 12419, 12421, 12430, 12434, 12438, 12445, 12447

Purpose: This kit includes parts and instructions to make enhancements to tongue.

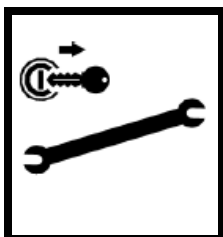
Special tools and conditions:

- None

➡ Unless indicated, new parts from kit have callouts with numbers. Callouts with letters indicate existing parts or general items.



WARNING: Raised load can shift or fall. Death or serious injury could be possible if struck or crushed by falling load. Never allow anyone under a raised load unless load is securely supported to prevent it from shifting or falling.



WARNING: Failure to use shutdown procedure can result in unexpected hazard(s). Death or serious injury could result due to entanglement, crushing, cutting or other hazardous contact. Follow shutdown procedure after operating, before performing any service or maintenance and before transporting.

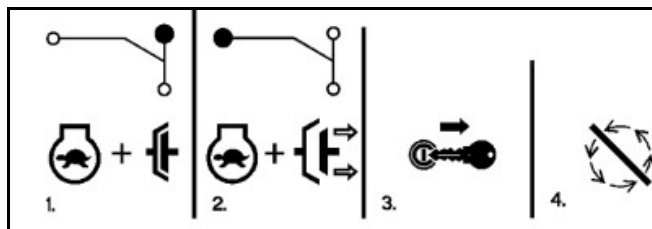
Shutdown procedure: BC1200XL

NOTICE: For your safety and the safety of others, use shutdown procedure before working on the machine for any reason, including servicing, unclogging, inspecting or transporting the chipper.

A variation of this procedure may be used if so instructed within this manual, or if an emergency requires it.

1. Return upper feed control bar to stop position.
2. Move cutter engage/throttle lever to engaged/low rpm position.

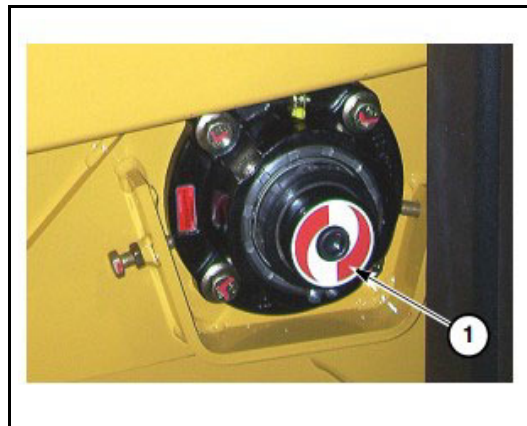
NOTICE: Whenever practical and consistent with good safety practice, run engine without load for a few minutes before shutting off. This allows engine temperatures to decrease and equalize.



3. Wait for the cutter drum to slow.
4. Move cutter engage/throttle lever to disengaged/low rpm position.
5. If so equipped, shut off remote control if in use.
6. Shut off engine and remove key.
7. Wait for the cutter drum and belt to stop.

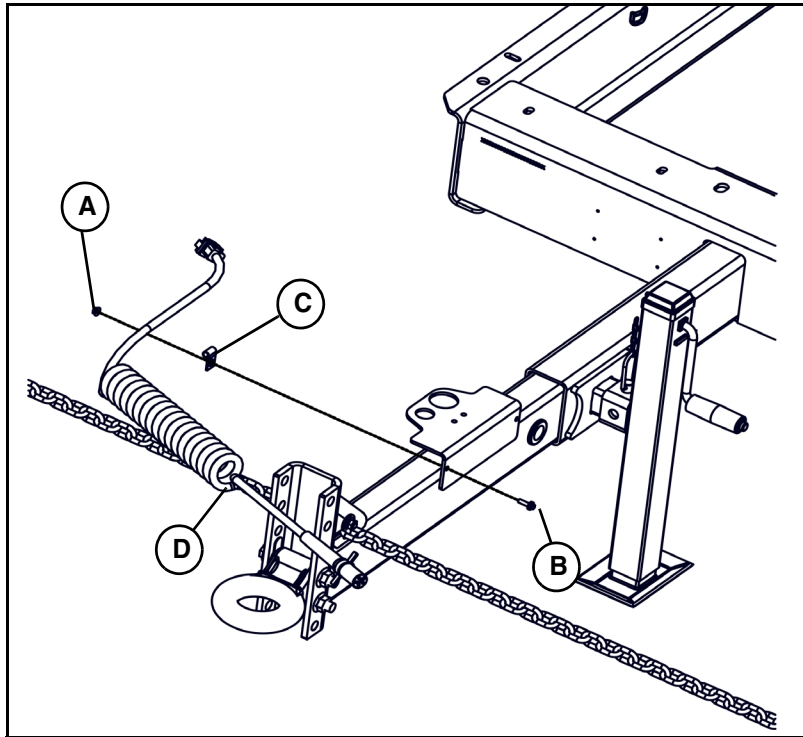
NOTICE: Cutter drum rotation can be checked by looking at the end of the shaft (1) on the left side of the cutter wheel housing. The cutter drum will continue to turn for a short time after the engine has stopped.

8. Close and latch feed table.

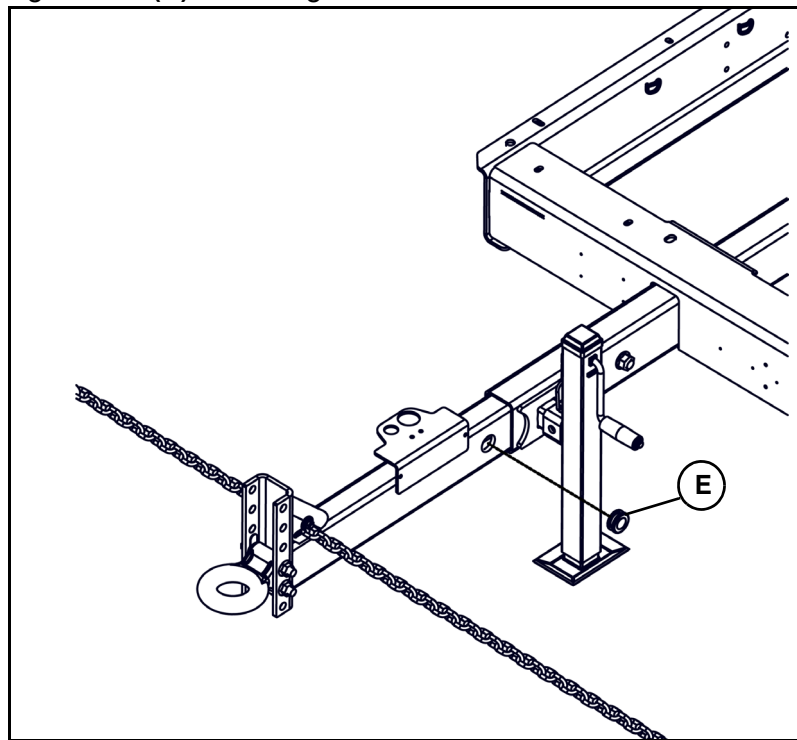


BC1200XL Domestic tongue removal procedure IK01

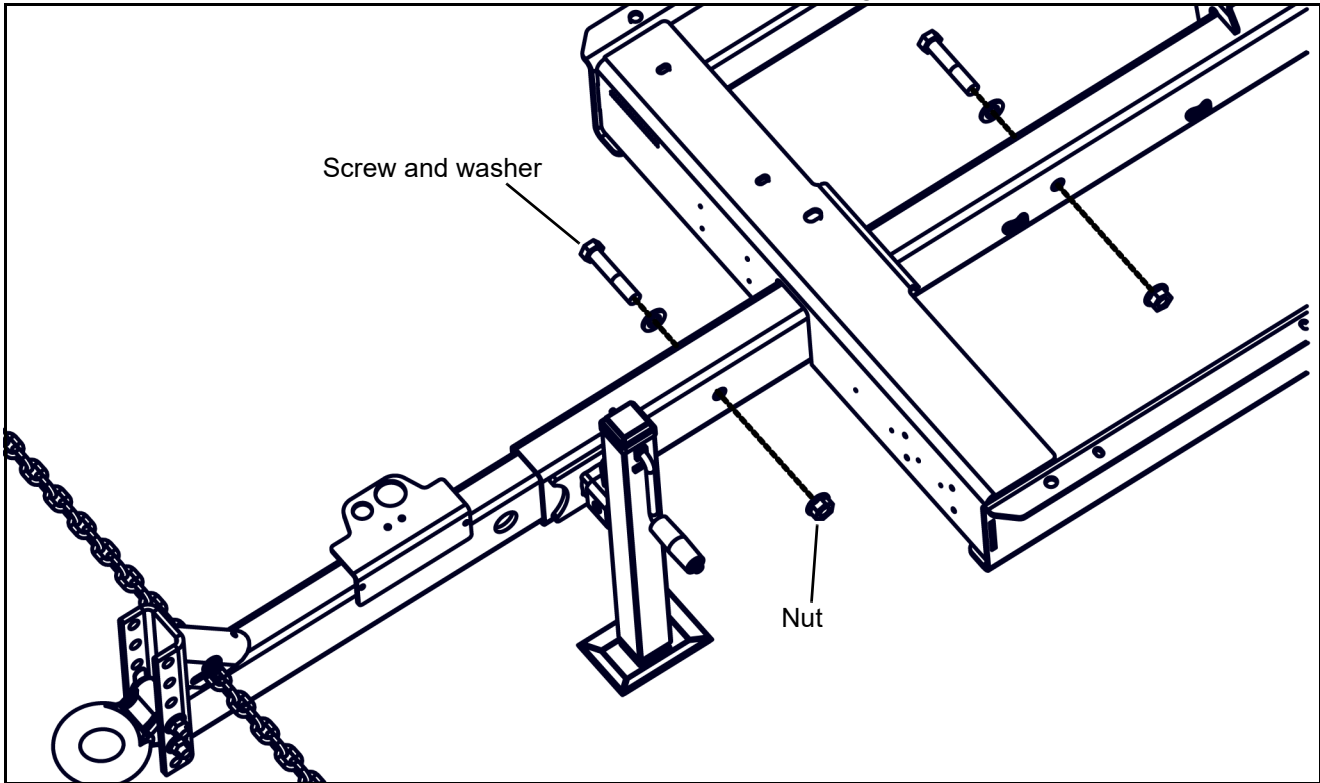
1. Support machine with jack attached on frame.
2. Unplug trailer harness from machine harness.
3. Remove and retain nut (A), screw (B), clamp (C) and trailer harness (D) from tongue.



4. Remove and retain grommet (E) from tongue.

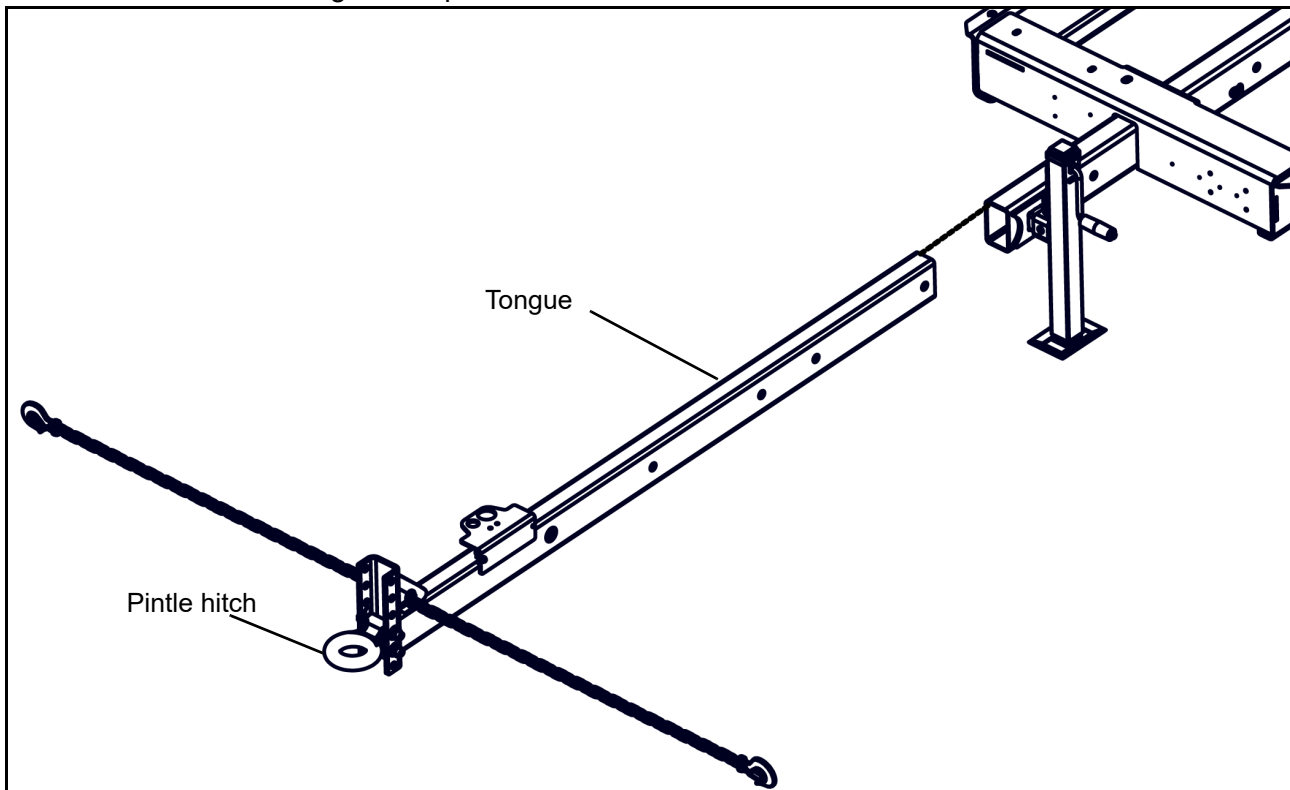


5. Remove and discard two bolts, washers and nuts that attach tongue to frame.



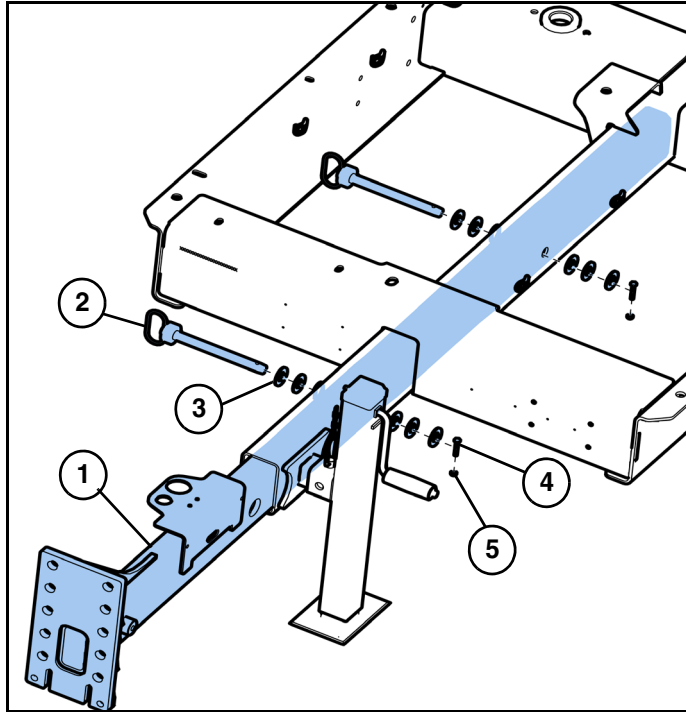
6. Attach suitable lifting device to tongue. Weight of tongue and pintle hitch is approximately 150 lb (68 kg).

7. Remove and discard tongue and pintle hitch.

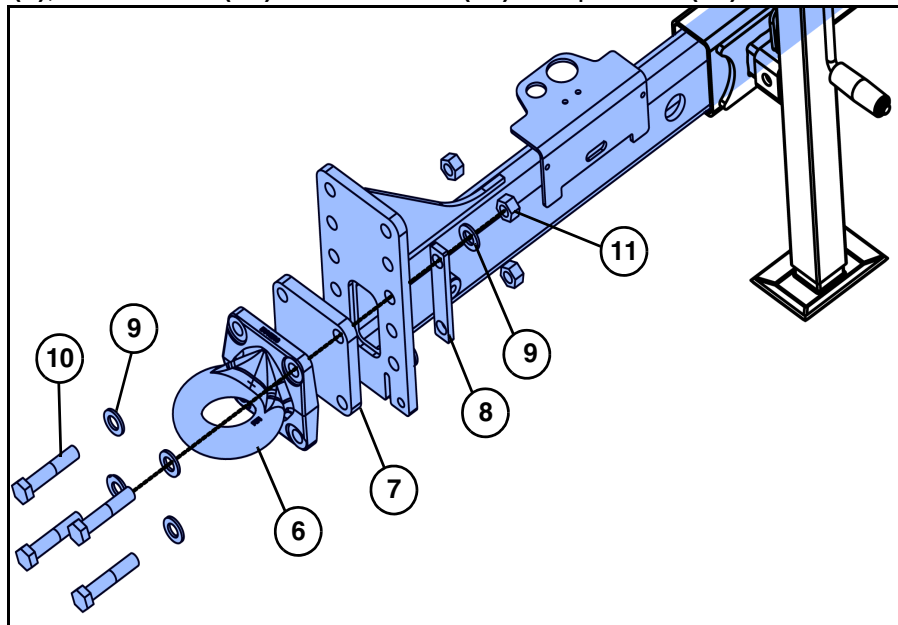


BC1200XL Domestic tongue replacement procedure IK01

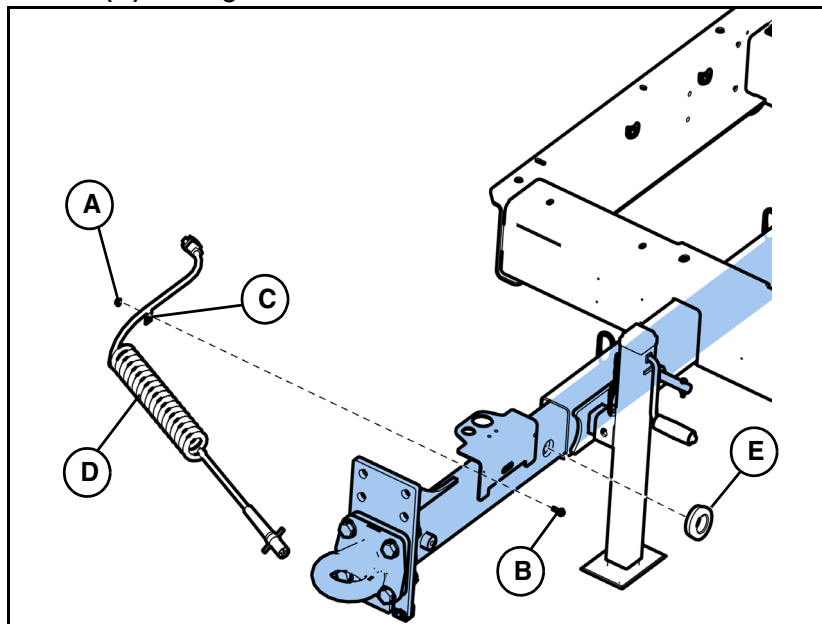
1. Support machine with jack attached on frame.
2. Attach suitable lifting device to tongue (1) and insert tongue into frame. Weight of tongue is approximately 135 lb (61 kg).
3. Attach tongue (1) to frame using two pin hitches (2), 12 washers (3), two bolts (4) and two nuts (5).



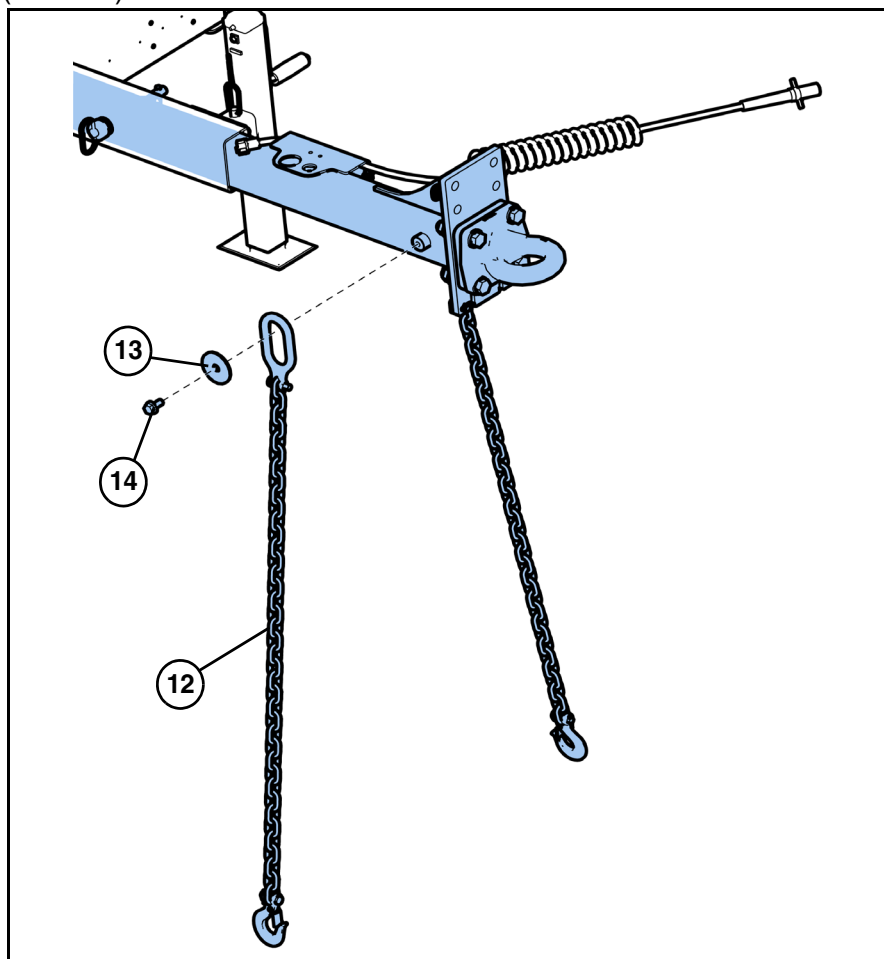
4. Attach pintle hitch (6) to weldment face using pintle spacer plate (7), two backing spacer plates (8), eight washers (9), four screws (10) and four nuts (11). Torque nuts (11) to 282 ft-lb (382 Nm).



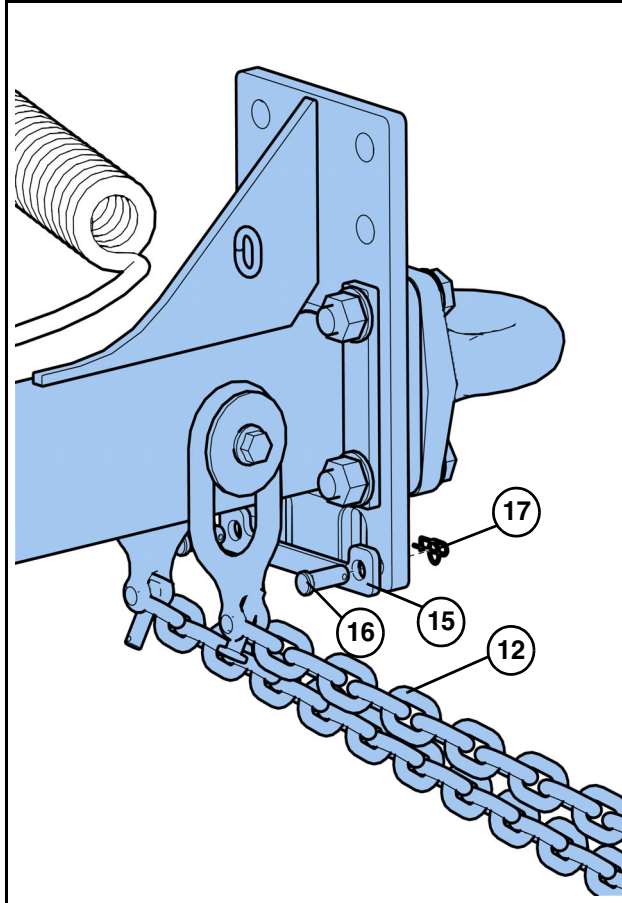
5. Attach retained trailer harness (D) using clamp (C), screw (B) and nut (A).
6. Insert retained grommet (E) in tongue.



7. Attach two safety chains (12) to tongue using two washers (13) and two screws (14). Torque screws (14) to 80 ft-lb (108 Nm).



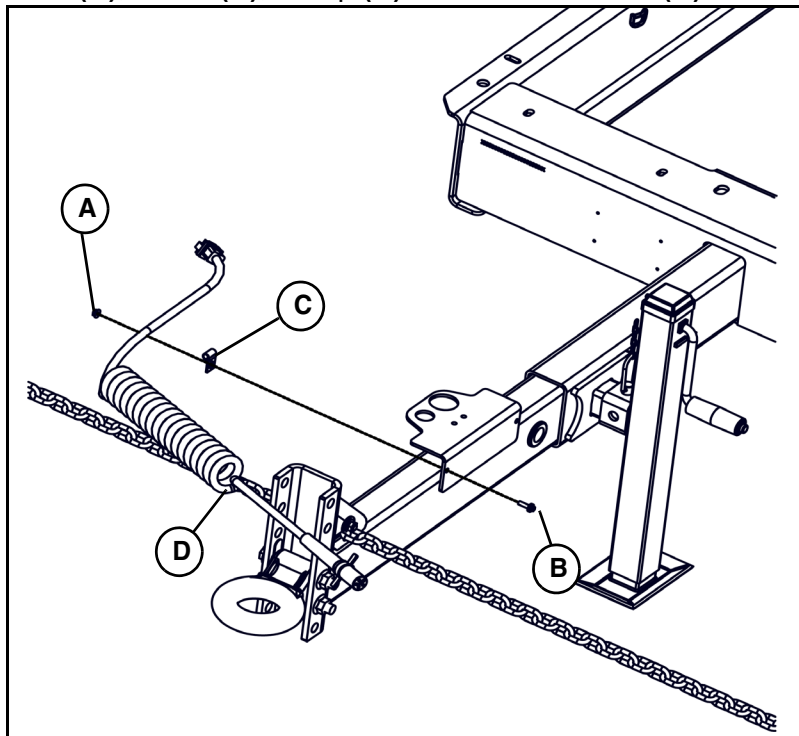
8. Slip two safety chains (12) through slots on face plate for chain slack take-up. Attach locking plate (15) to weldment face using two clevis pins (16) and two locking cotter pins (17).



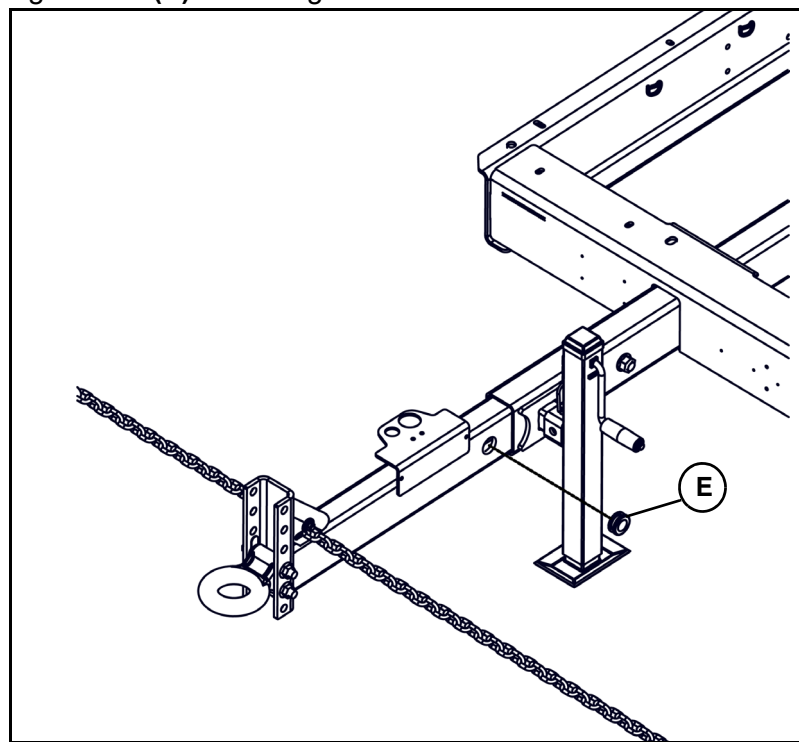
9. Remove Figures 1 – 4 and attach to invoice or place in manual storage box so unit owner can place with existing parts manual.

BC1200XL International tongue removal procedure IK02

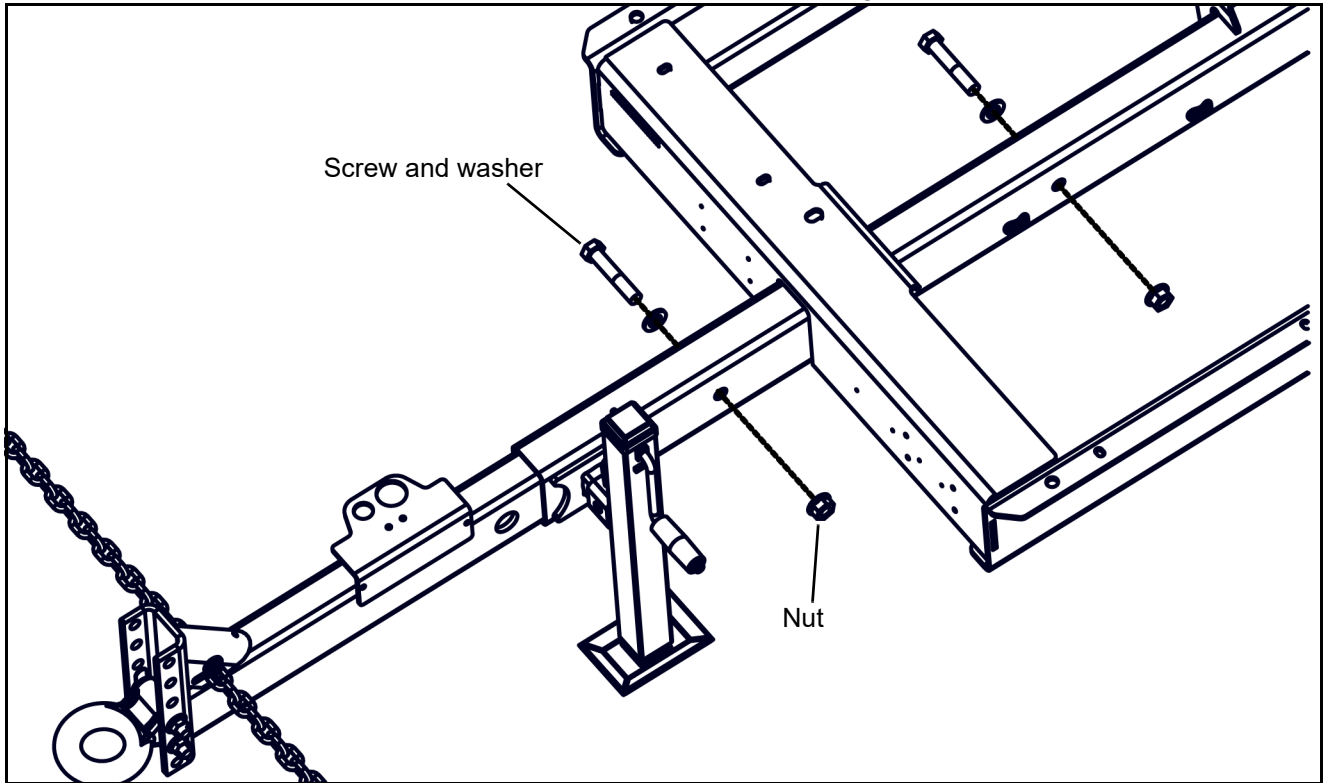
1. Support machine with jack attached on frame.
2. Unplug trailer harness from machine harness.
3. Remove and retain nut (A), screw (B), clamp (C) and trailer harness (D) from tongue.



4. Remove and retain grommet (E) from tongue.

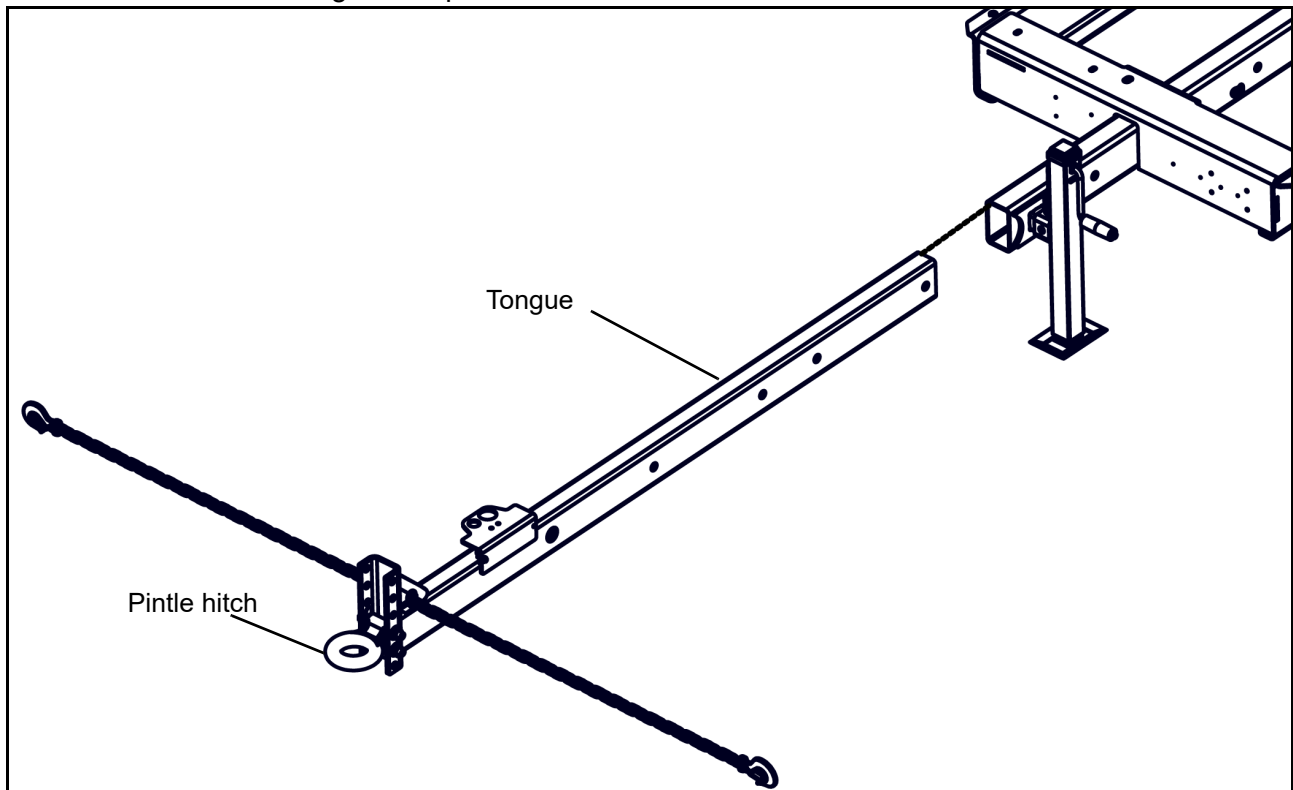


5. Remove and discard two bolts, washers and nuts that attach tongue to frame.



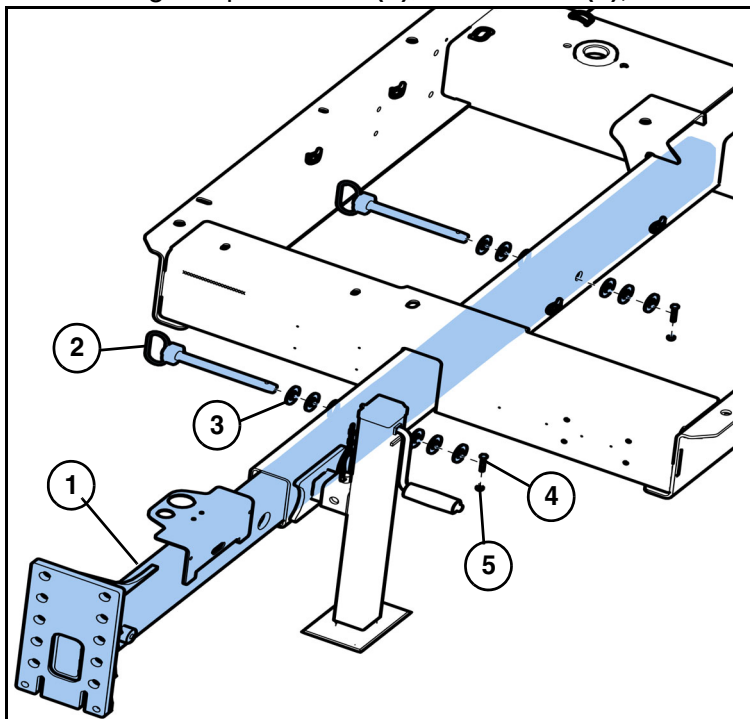
6. Attach suitable lifting device to tongue. Weight of tongue and pintle hitch is approximately 150 lb (68 kg).

7. Remove and discard tongue and pintle hitch.

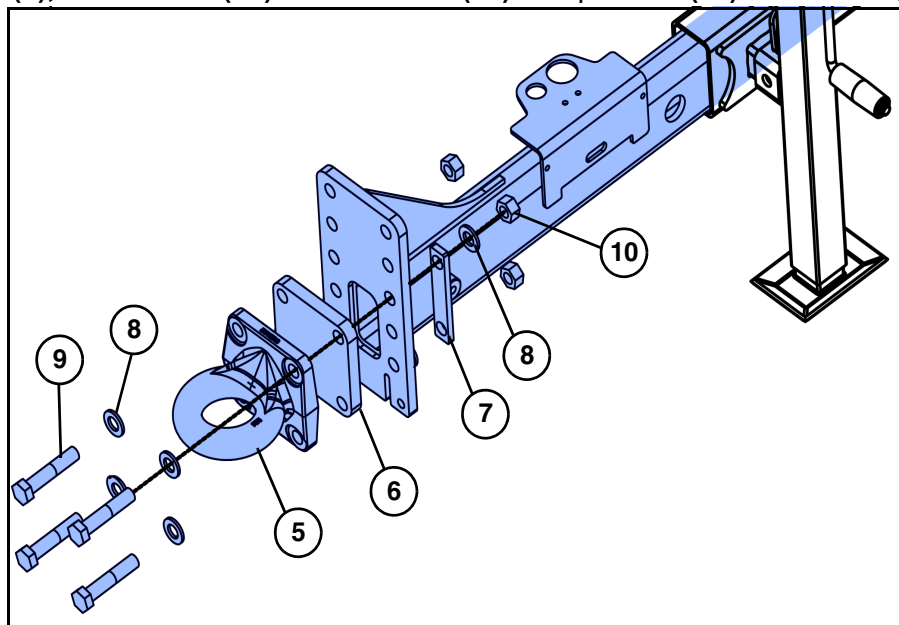


BC1200XL International tongue replacement procedure IK02

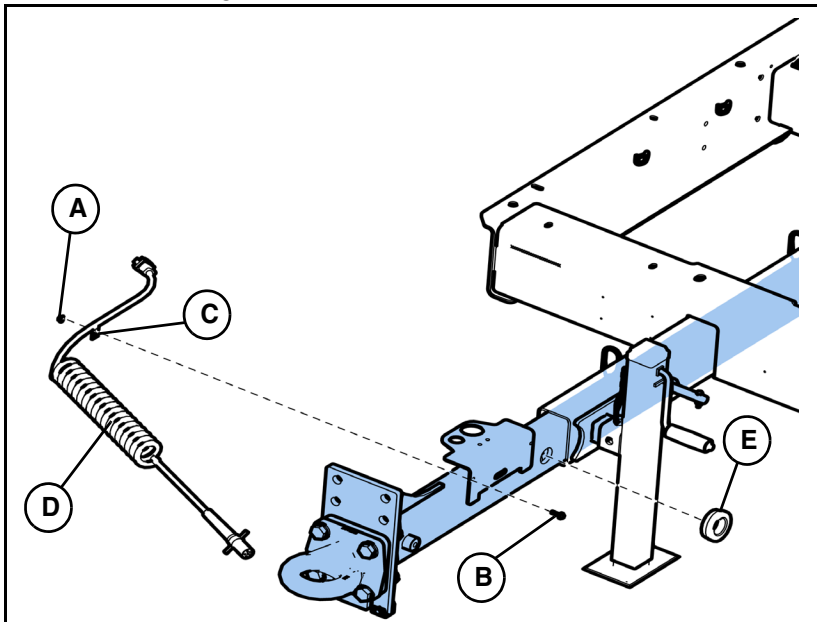
1. Support machine with jack attached on frame.
2. Attach suitable lifting device to tongue (1) and insert tongue into frame. Weight of tongue is approximately 135 lb (61 kg).
3. Attach tongue (1) to frame using two pin hitches (2), 12 washers (3), two bolts (4) and two nuts (5).



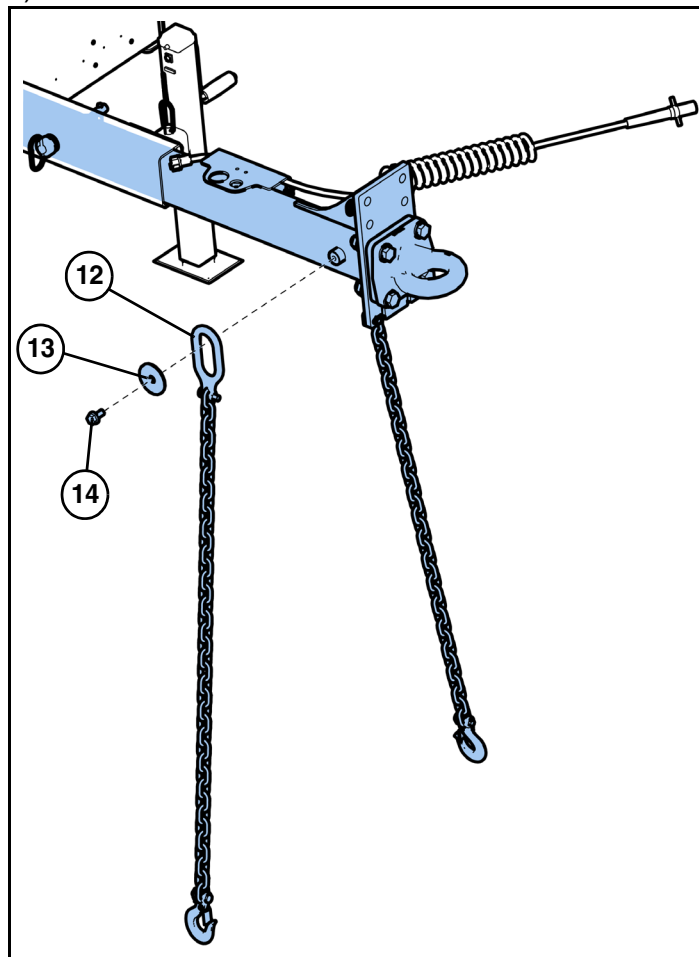
4. Attach pintle hitch (6) to weldment face using pintle spacer plate (7), two backing spacer plates (8), eight washers (9), four screws (10) and four nuts (11). Torque nuts (11) to 282 ft-lb (382 Nm).



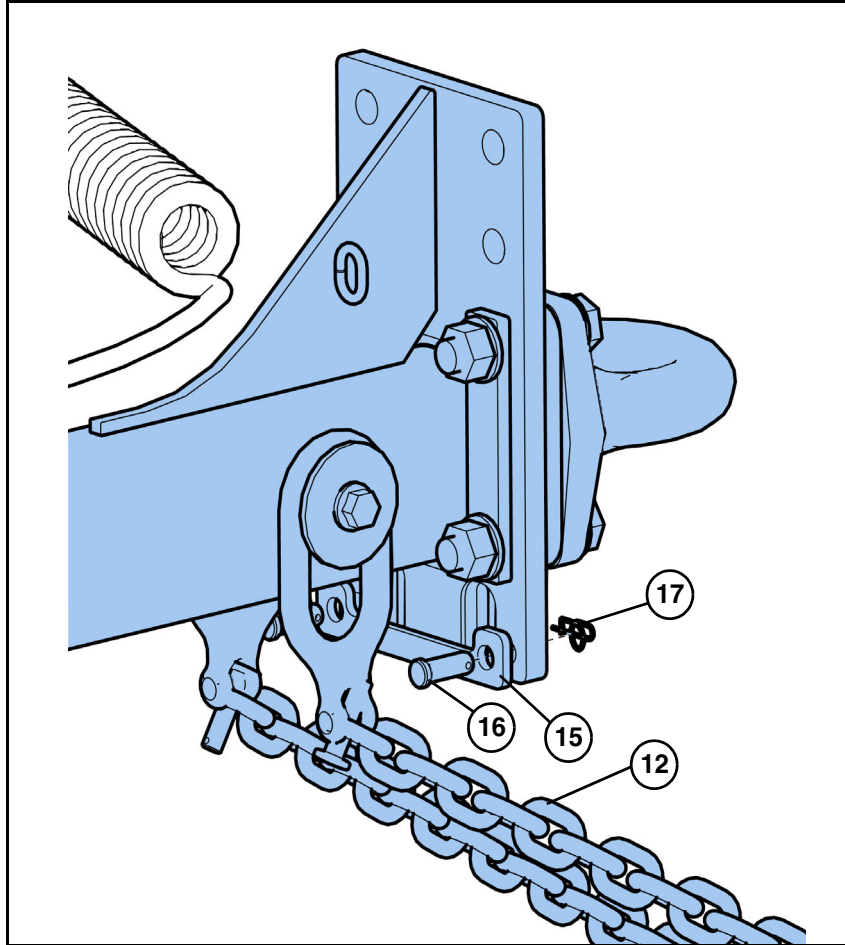
5. Attach retained trailer harness (D) using clamp (C), screw (B) and nut (A).
6. Insert retained grommet (E) in tongue.



7. Attach two safety chains (12) to tongue using two washers (13) and two screws (14). Torque screws (14) to 80 ft-lb (108 Nm).



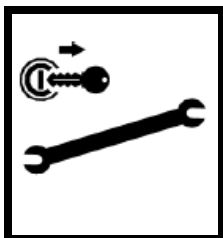
8. Slip two safety chains (12) through slots on face plate for chain slack take-up. Attach locking plate (15) to weldment face using two clevis pins (16) and two locking cotter pins (17).



9. Remove Figures 1 – 4 and attach to invoice or place in manual storage box so unit owner can place with existing parts manual.



WARNING: Raised load can shift or fall. Death or serious injury could be possible if struck or crushed by falling load. Never allow anyone under a raised load unless load is securely supported to prevent it from shifting or falling.



WARNING: Failure to use shutdown procedure can result in unexpected hazard(s). Death or serious injury could result due to entanglement, crushing cutting or other hazardous contact. Follow shutdown procedure after operating, before performing any service or maintenance and before transporting.

Shutdown procedure: BC1500

NOTICE: For your safety and the safety of others, use shutdown procedure before working on the machine for any reason, including servicing, unclogging, inspecting or transporting the chipper.

A variation of this procedure may be used if so instructed within this manual, or if an emergency requires it.

1. Return upper feed control bar to stop position.

2. Place throttle switch in low rpm.

NOTICE: Whenever practical and consistent with good safety practice, run engine without load for a few minutes before shutting off. This allows engine temperatures to decrease and equalize.

3. Wait for the cutter drum to slow.

4. Place clutch/throttle lever to disengaged/low rpm position.

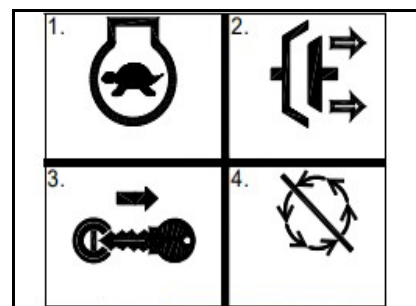
5. If so equipped, shut off remote control if in use.

6. Shut off engine and remove key.

7. Wait for the cutter drum and belt to stop.

NOTICE: Cutter drum rotation can be checked by looking at the end of the shaft **(1)** on the left side of the cutter wheel housing. The cutter drum will continue to turn for a short time after the engine has stopped.

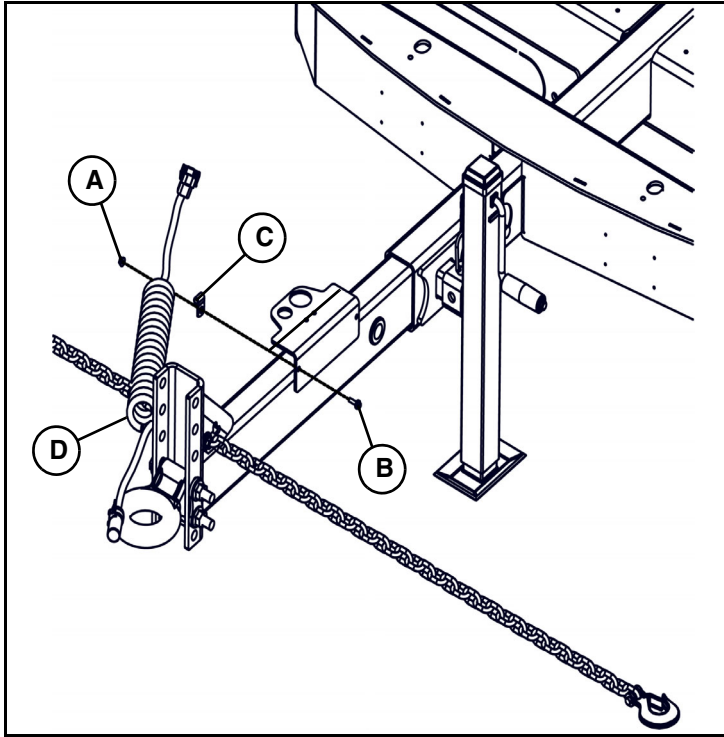
8. Close and latch feed table.



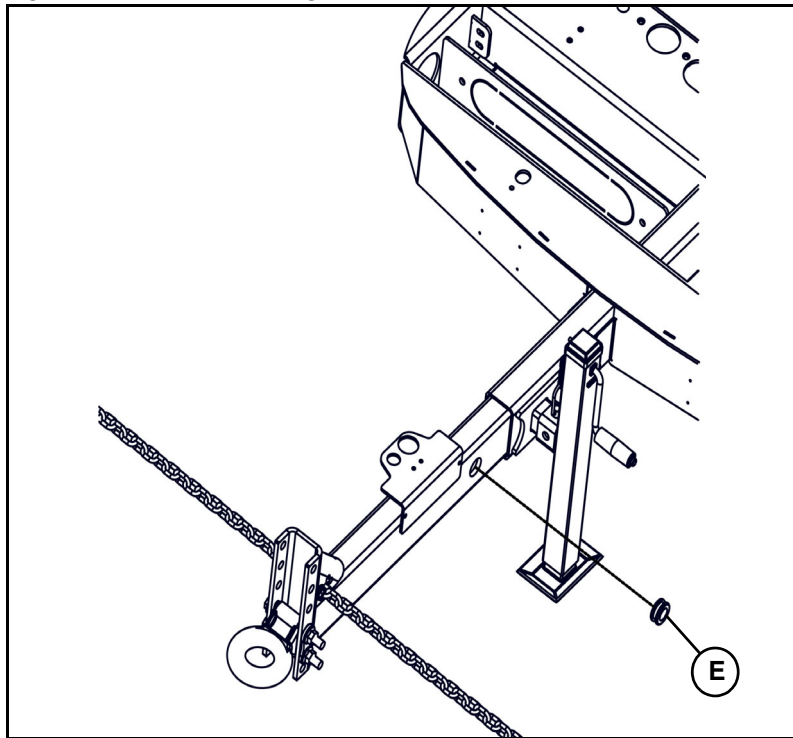
Unless indicated, new parts from kit have callouts with numbers. Callouts with letters indicate existing parts or general items.

BC1500 Domestic tongue removal procedure IK03

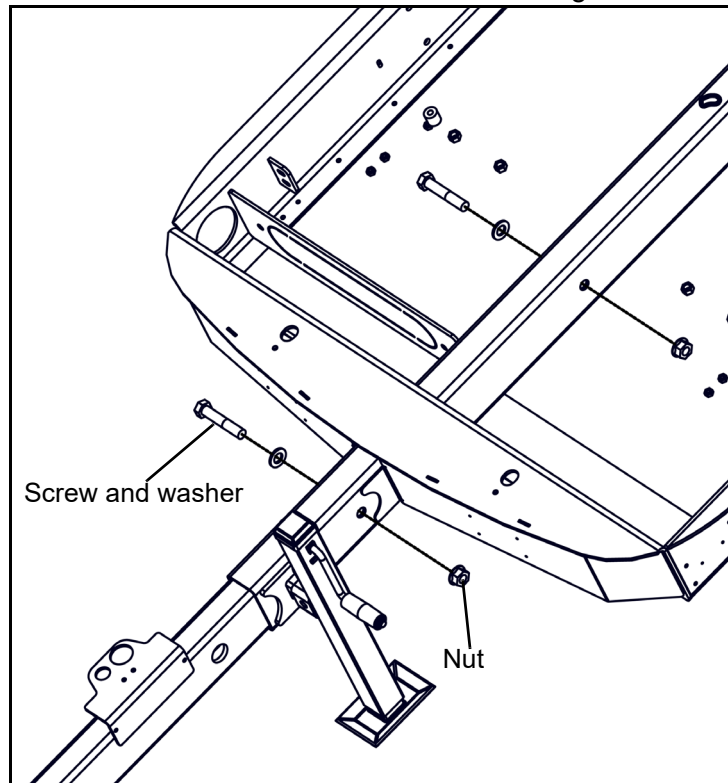
1. Support machine with jack attached on frame.
2. Unplug trailer harness from machine harness.
3. Remove and retain nut (A), screw (B), clamp (C) and trailer harness (D) from tongue.



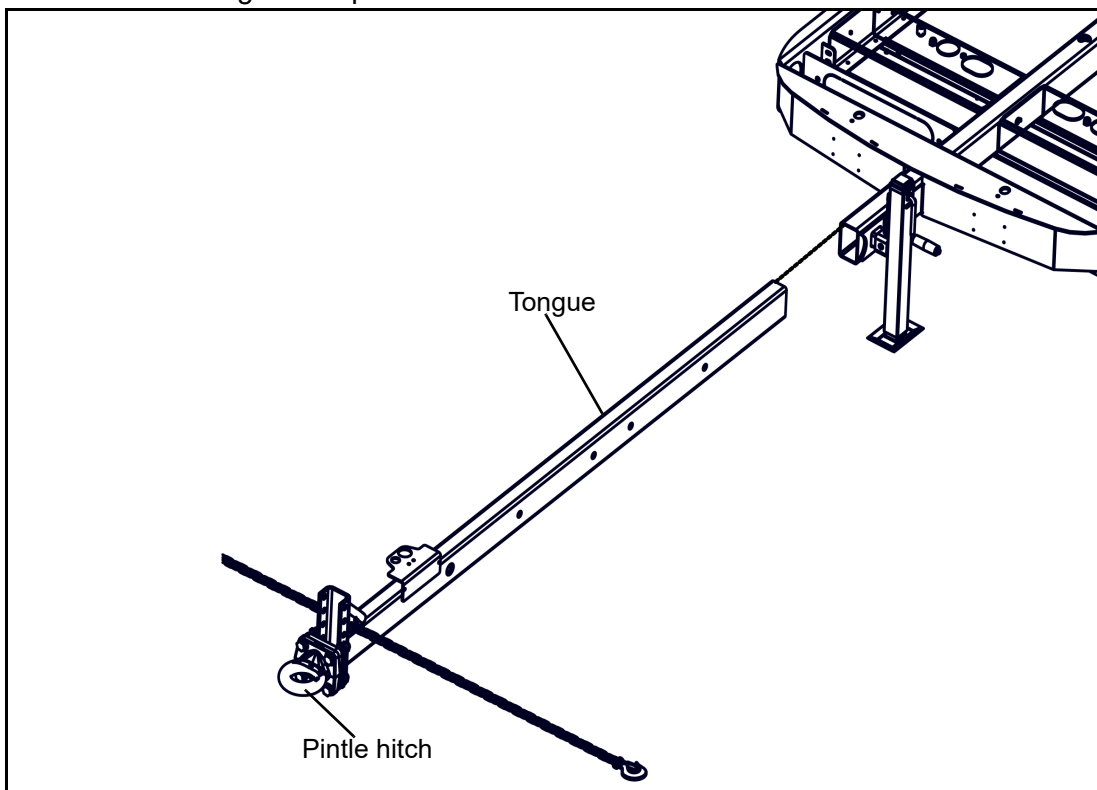
4. Remove and retain grommet (E) from tongue.



5. Remove and discard two bolts, washers and nuts that attach tongue to frame.

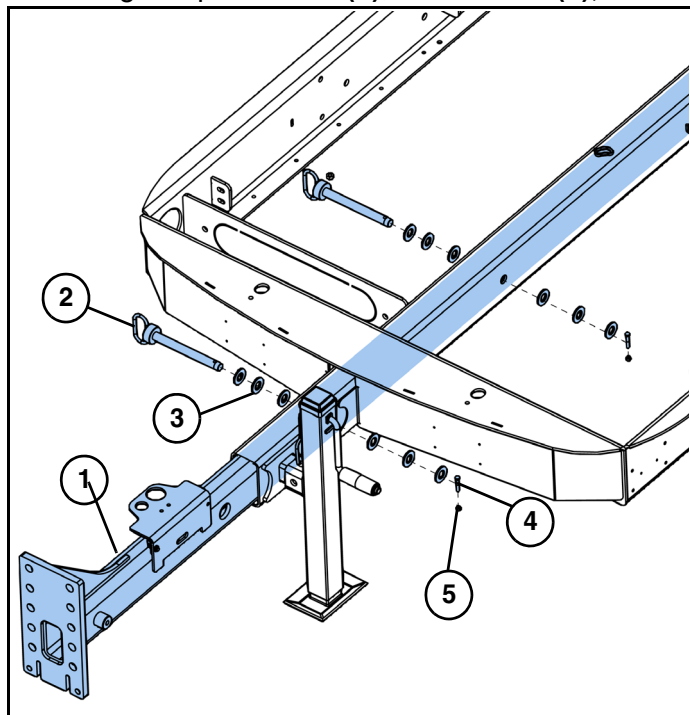


6. Attach suitable lifting device to tongue. Weight of tongue and pintle hitch is approximately 150 lb (68 kg).
7. Remove and discard tongue and pintle hitch.

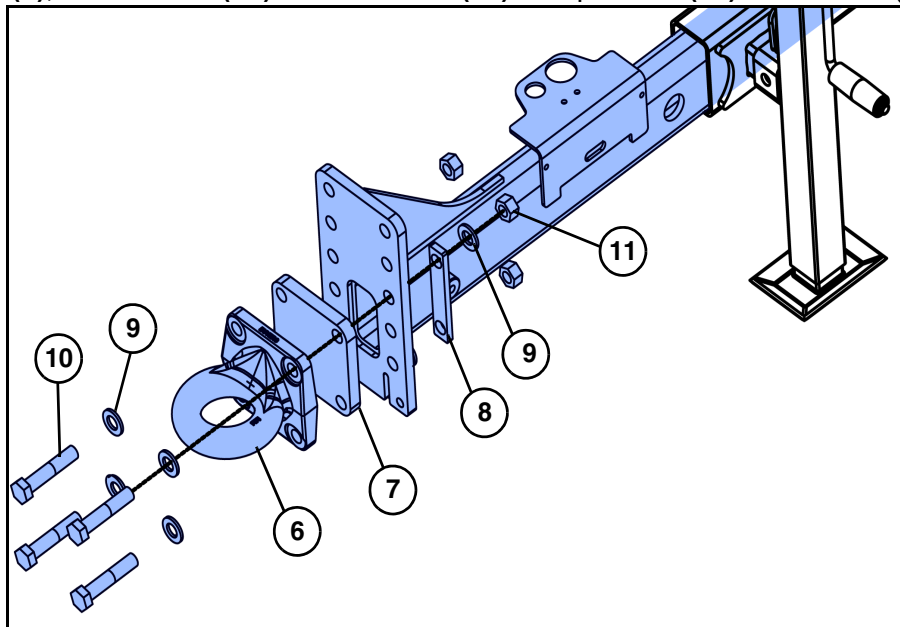


BC1500 Domestic tongue replacement procedure IK03

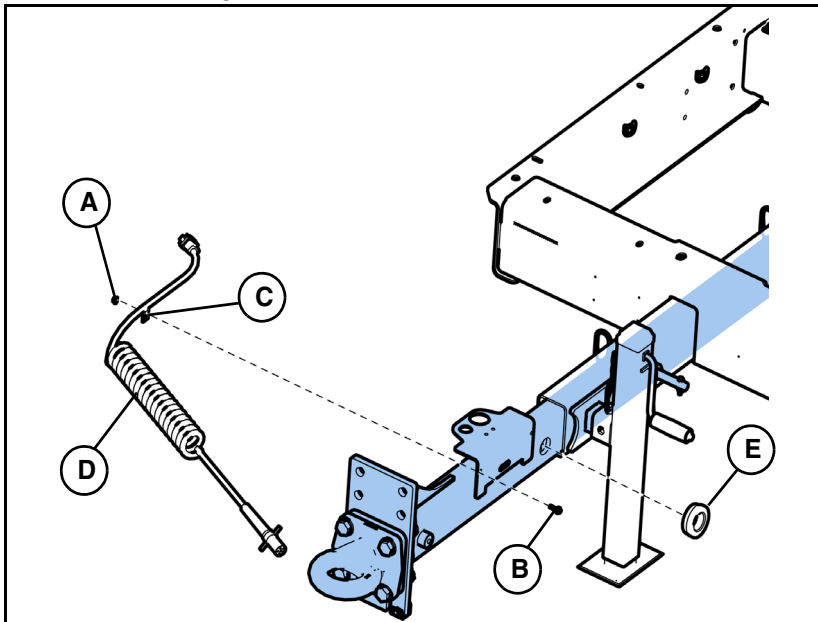
1. Support machine with jack attached on frame.
2. Attach suitable lifting device to tongue (1) and insert tongue into frame. Weight of tongue is approximately 135 lb (61 kg).
3. Attach tongue (1) to frame using two pin hitches (2), 12 washers (3), two bolts (4) and two nuts (5).



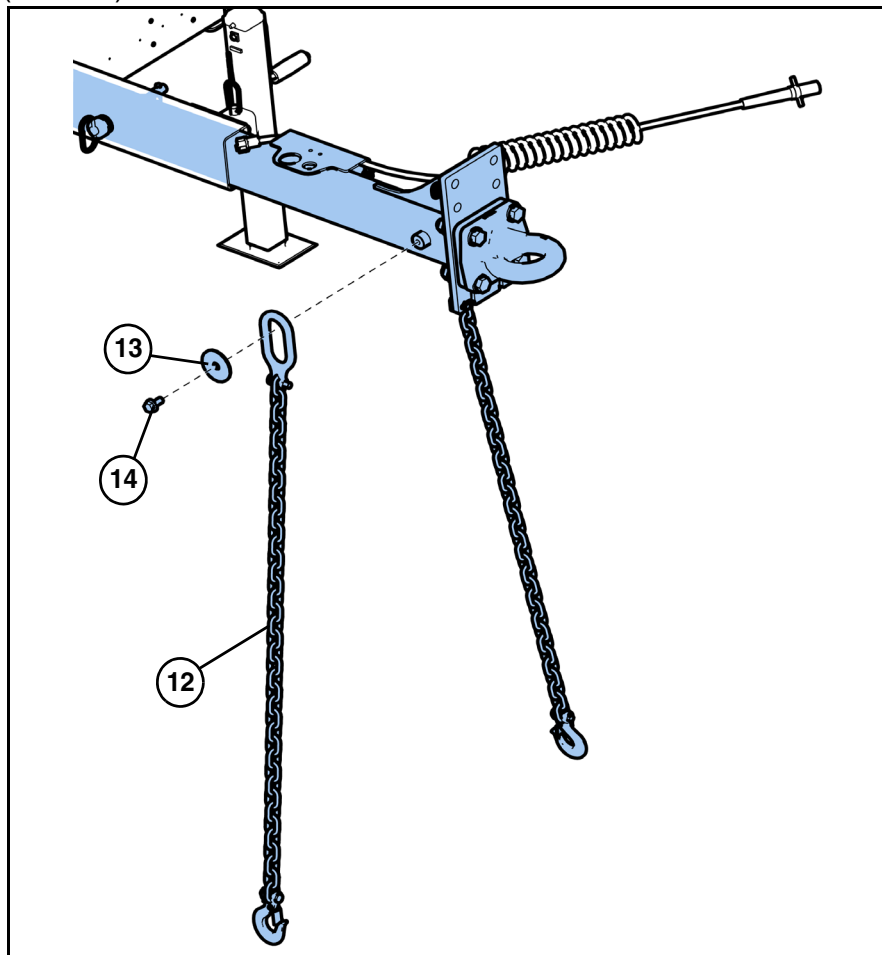
4. Attach pintle hitch (6) to weldment face using pintle spacer plate (7), two backing spacer plates (8), eight washers (9), four screws (10) and four nuts (11). Torque nuts (11) to 282 ft-lb (382 Nm).



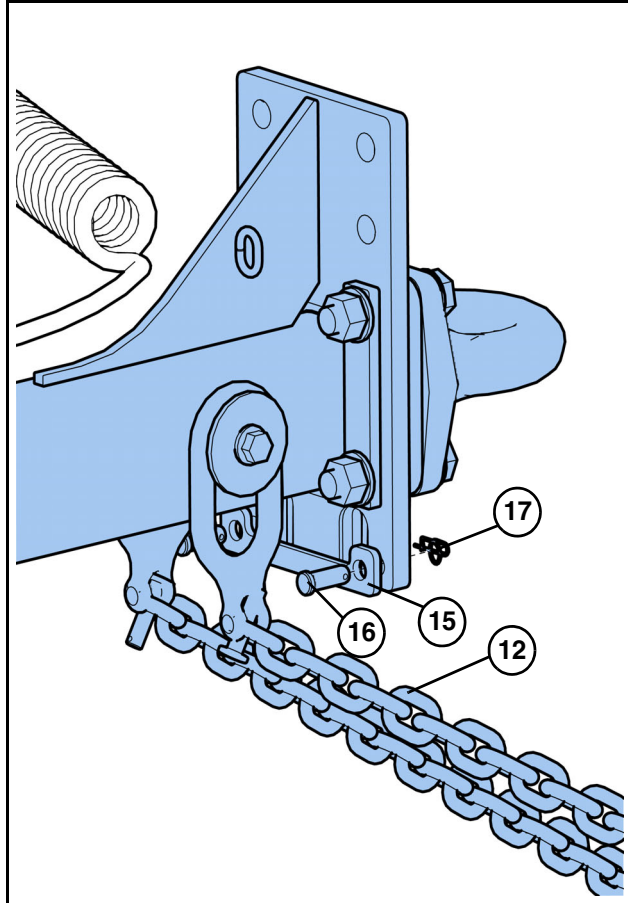
5. Attach retained trailer harness (D) using clamp (C), screw (B) and nut (A).
6. Insert retained grommet (E) in tongue.



7. Attach two safety chains (12) to tongue using two washers (13) and two screws (14). Torque screws (14) to 80 ft-lb (108 Nm).



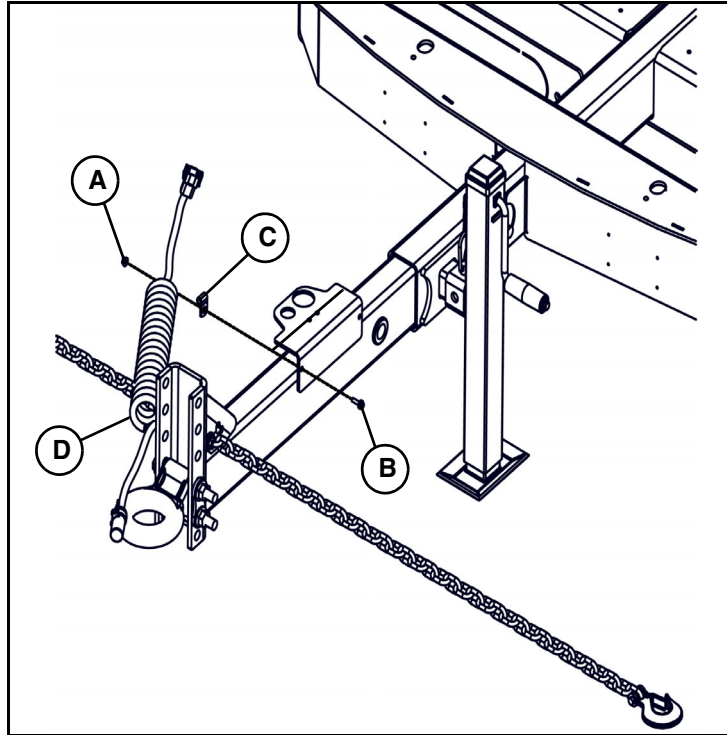
8. Slip two safety chains (12) through slots on face plate for chain slack take-up. Attach locking plate (15) to weldment face using two clevis pins (16) and two locking cotter pins (17).



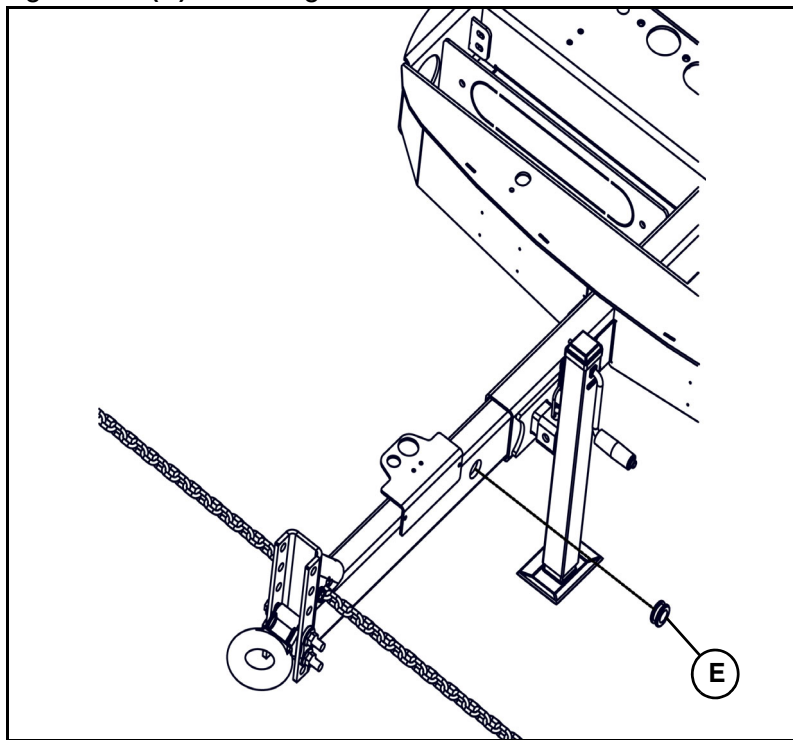
9. Remove Figures 5 – 8 and attach to invoice or place in manual storage box so unit owner can place with existing parts manual.

BC1500 International tongue removal procedure IK04

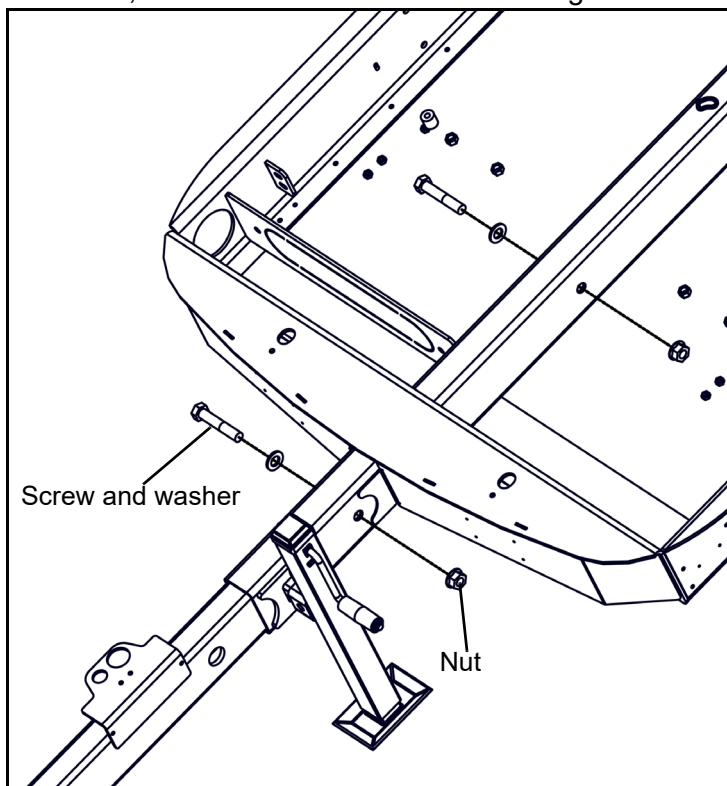
1. Support machine with jack attached on frame.
2. Unplug trailer harness from machine harness.
3. Remove and retain nut (A), screw (B), clamp (C) and trailer harness (D) from tongue.



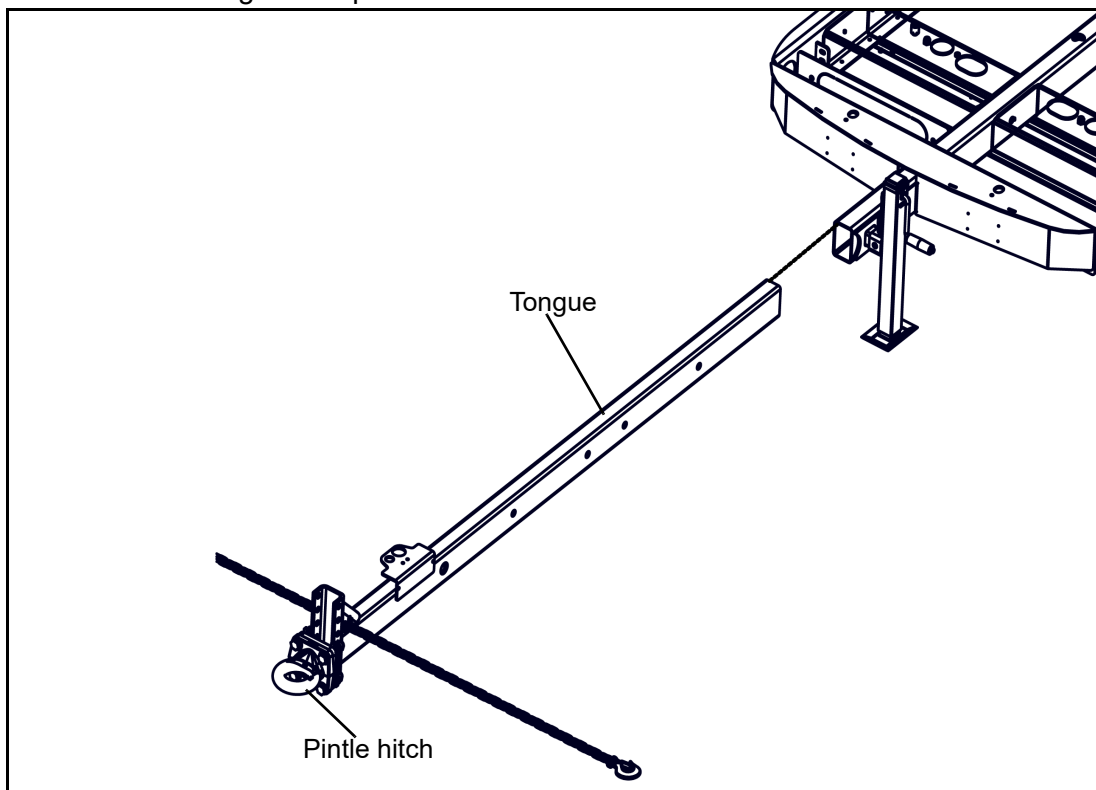
4. Remove and retain grommet (E) from tongue.



5. Remove and discard two bolts, washers and nuts that attach tongue to frame.

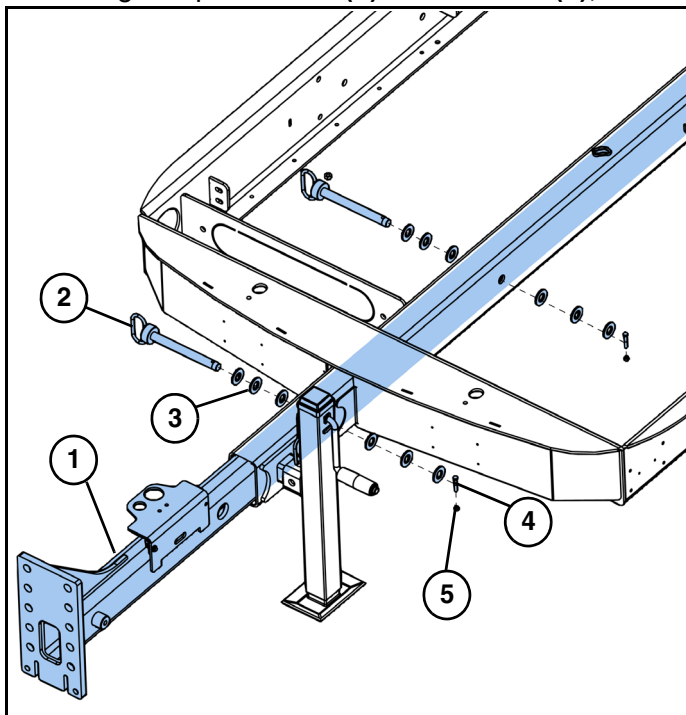


6. Attach suitable lifting device to tongue. Weight of tongue and pintle hitch is approximately 150 lb (68 kg).
7. Remove and discard tongue and pintle hitch.

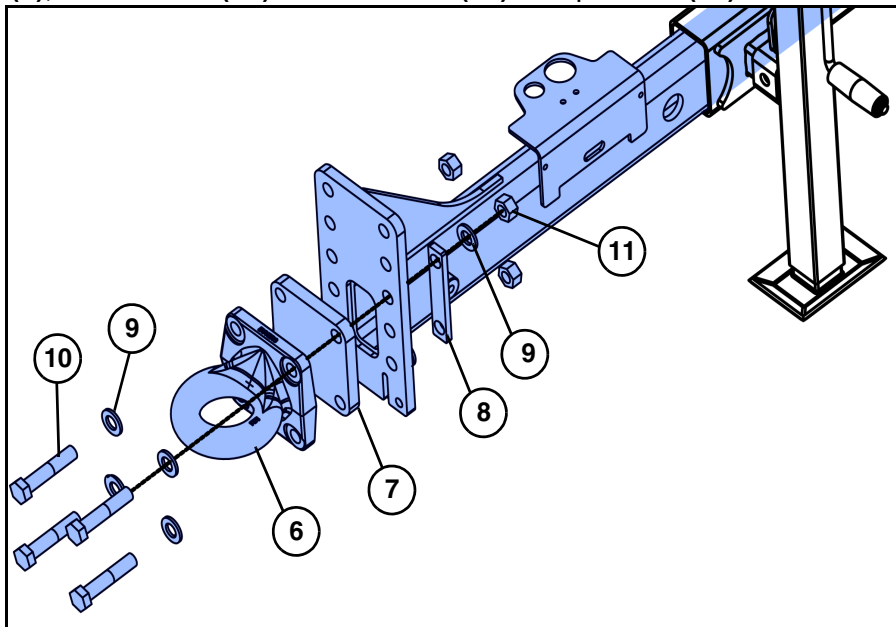


BC1500 International tongue replacement procedure IK04

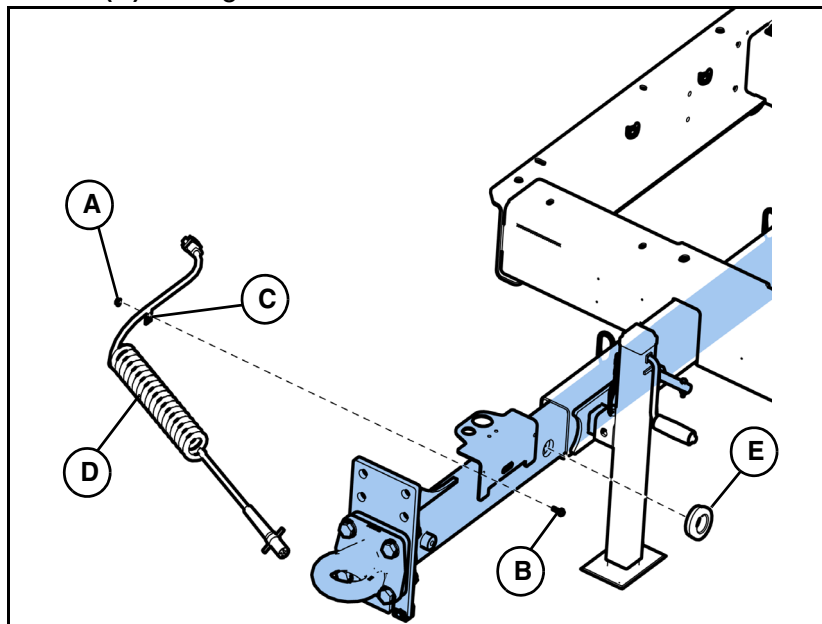
1. Support machine with jack attached on frame.
2. Attach suitable lifting device to tongue (1) and insert tongue into frame. Weight of tongue is approximately 135 lb (61 kg).
3. Attach tongue (1) to frame using two pin hitches (2), 12 washers (3), two bolts (4) and two nuts (5).



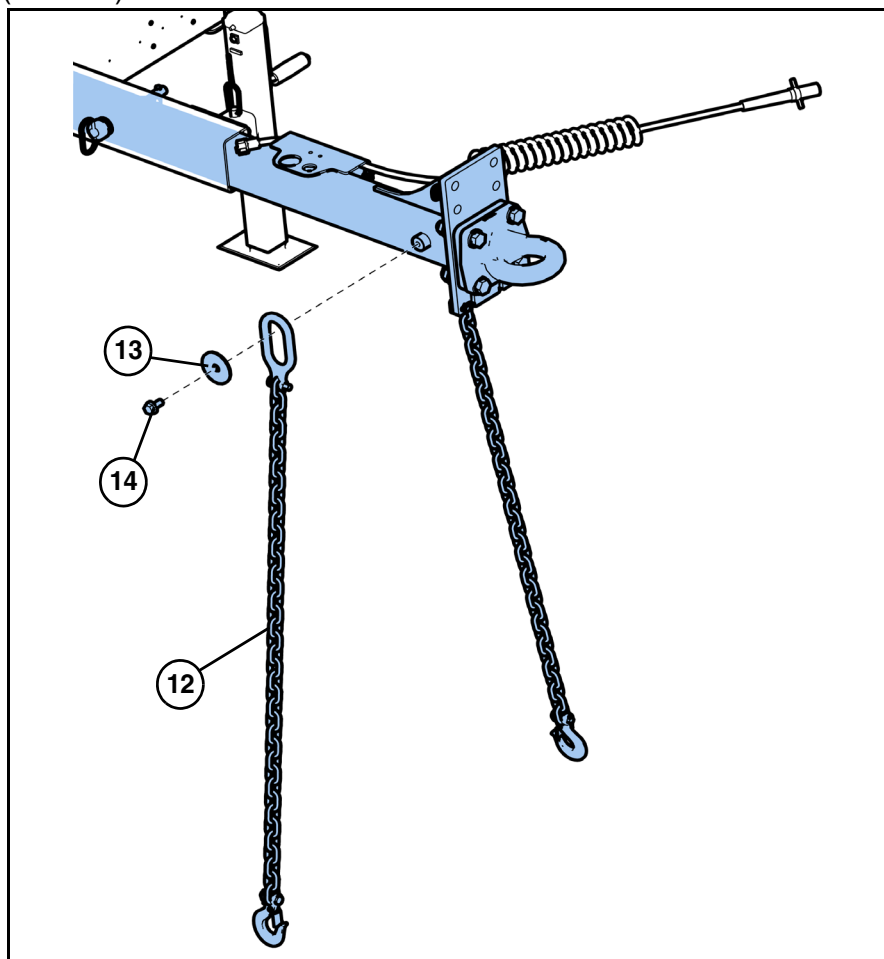
4. Attach pintle hitch (6) to weldment face using pintle spacer plate (7), two backing spacer plates (8), eight washers (9), four screws (10) and four nuts (11). Torque nuts (11) to 282 ft-lb (382 Nm).



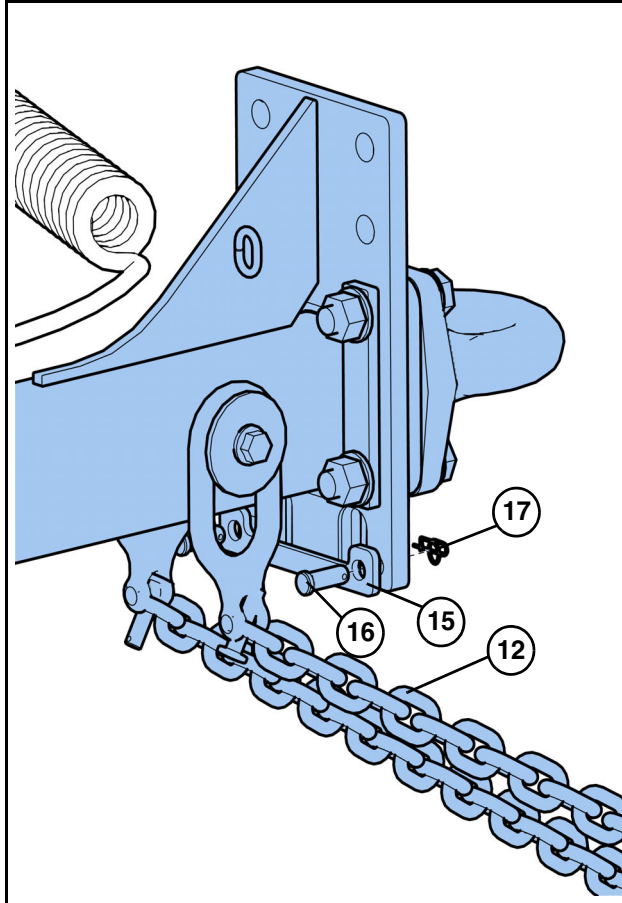
5. Attach retained trailer harness (D) using clamp (C), screw (B) and nut (A).
6. Insert retained grommet (E) in tongue.



7. Attach two safety chains (12) to tongue using two washers (13) and two screws (14). Torque screws (14) to 80 ft-lb (108 Nm).



8. Slip two safety chains (12) through slots on face plate for chain slack take-up. Attach locking plate (15) to weldment face using two clevis pins (16) and two locking cotter pins (17).



9. Remove Figures 5 – 8 and attach to invoice or place in manual storage box so unit owner can place with existing parts manual.

Figure 1

UNIT OWNER COPY
Insert into parts manual
for future reference.

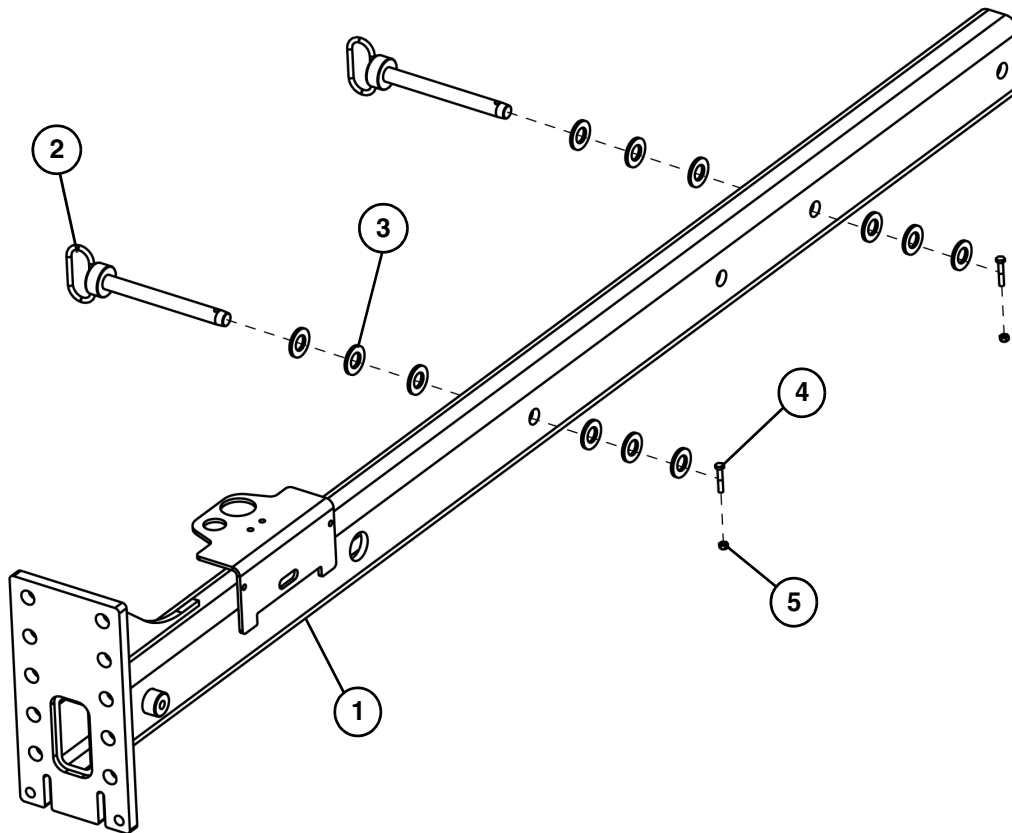


Figure 1 Parts List

<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>IK01 QTY</u>	<u>IK02 QTY</u>
1	163777871	TONGUE - BC1200 DOMESTIC FLAT MOUNT	1	1
2	163709195	PIN HITCH 3/4 X 6.50 UL .26 HOLE	2	2
3	295016001	WASHER-FLATSAE-.75-.81X1.50-.14	12	12
4	506031035	SCREW-HCS-M6-1.00X35-8.8-D931	2	2
5	506044006	NUT-TLHEX-M6-1.00-10-PREVTQ	2	2
		Kits include all items in Figure 1 parts list.		

Figure 2

UNIT OWNER COPY
Insert into parts manual
for future reference.

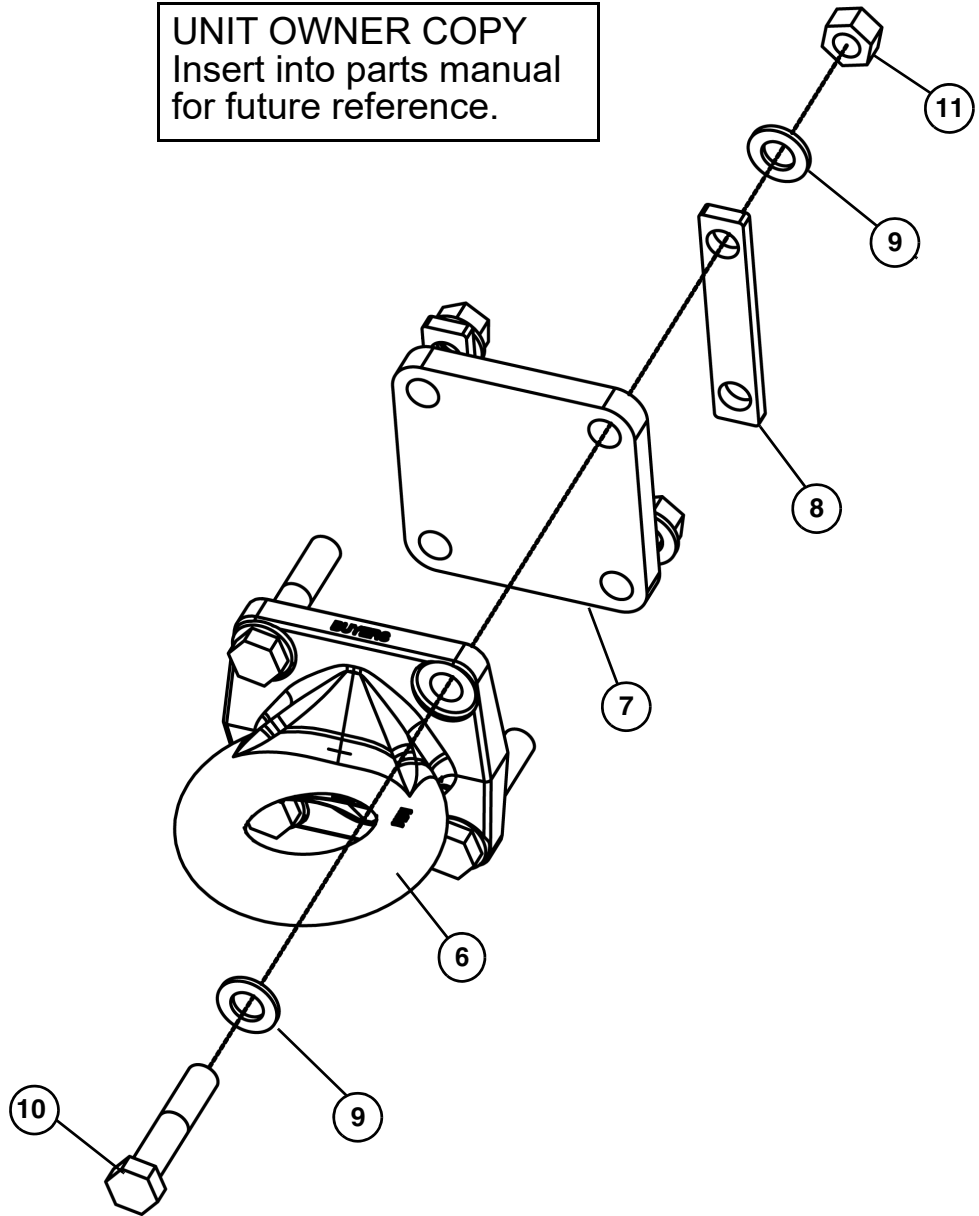


Figure 2 Parts List

<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>IK01 QTY.</u>	<u>IK02 QTY.</u>
6	163647055	BDB1385	1	1
7	163777817	PLATE - PINTLE SPACER	1	1
8	163811279	PLATE - BACKING SPACER	2	2
9	235717001	WASHER-FLATSTRL-.75-.81X1.47-.15-A325	8	8
10	250572001	SCREW-HCS-.75-10X3.75-GR8	4	4
11	397001	NUT-TLHEX-.75-10-C	4	4
		Kits include all items in Figure 2 parts list.		

Figure 3

UNIT OWNER COPY
Insert into parts manual
for future reference.

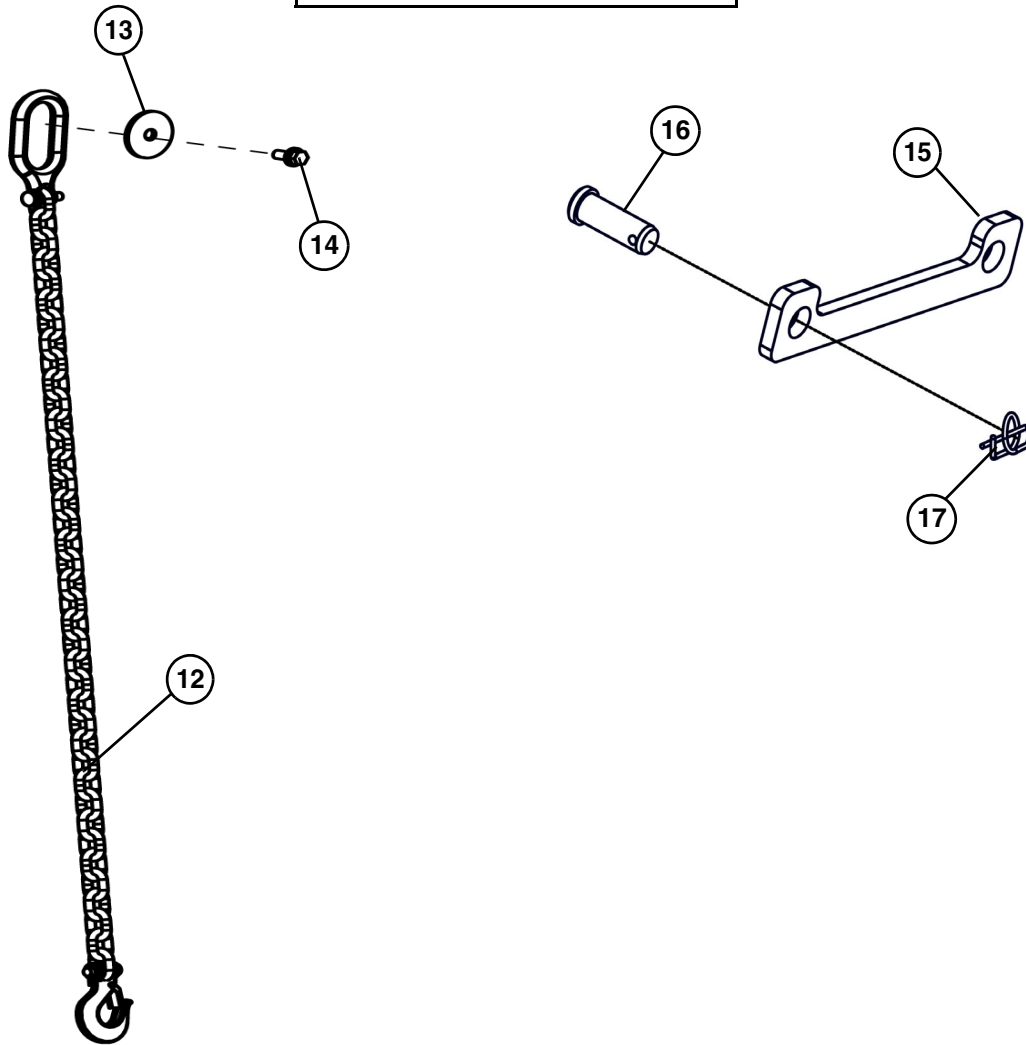


Figure 3 Parts List

REF. NO.	PART NO.	DESCRIPTION	IK01 QTY.	IK02 QTY.
12	163821344	ASSY - SAFETY CHAIN 3/8" G70	2	2
13	153863001	WASHER-FLATWRT-.63-.66X2.81-.19	2	2
14	296300788	SCREW-HFS-.50-13X1.00-GR8	2	2
15	163811216	SHEET - LOCK PLATE	1	1
16	2110025	PIN-CLEVIS .50X1.38	2	2
17	296516557	PIN- LOCKING COTTER 1/2"	2	2
Kits include all items in Figure 3 parts list.				

UNIT OWNER COPY
Insert into parts manual
for future reference.

Figure 4

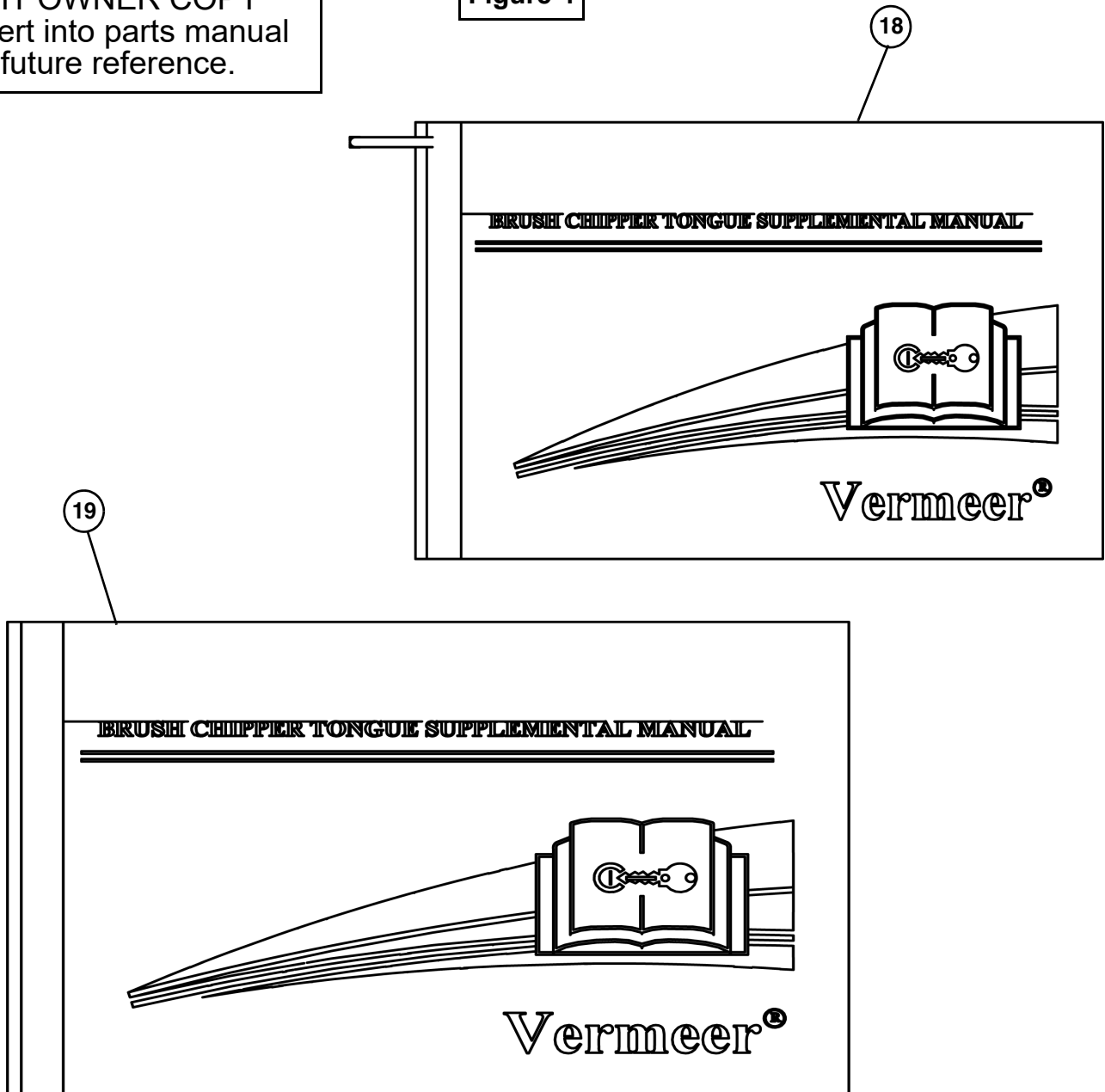


Figure 4 Parts List

<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>IK01 QTY</u>	<u>IK02 QTY</u>
18	163811878	BRUSH CHIPPER TONGUE SUPPLEMENTAL MANUAL CABLED	1	1
19	105400GN8	BRUSH CHIPPER TONGUE SUPPLEMENTAL MANUAL	1	1
		Kits include all items in Figure 4 parts list.		

Figure 5

UNIT OWNER COPY
Insert into parts manual
for future reference.

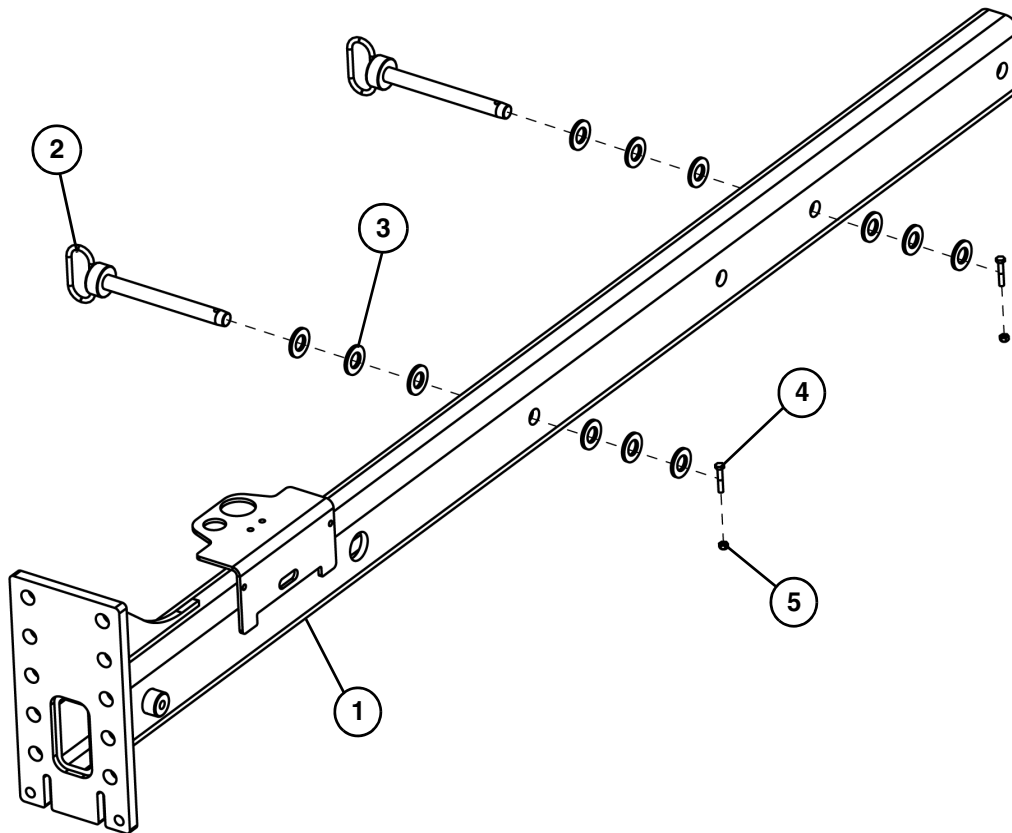


Figure 5 Parts List

<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>IK03 QTY</u>	<u>IK04 QTY</u>
1	163811218	WLDMT-TONGUE BC1500	1	1
2	163709195	PIN HITCH 3/4 X 6.50 UL .26 HOLE	2	2
3	295016001	WASHER-FLATSAE-.75-.81X1.50-.14	12	12
4	506031035	SCREW-HCS-M6-1.00X35-8.8-D931	2	2
5	506044006	NUT-TLHEX-M6-1.00-10-PREVTQ	2	2
		Kits include all items in Figure 5 parts list.		

Figure 6

UNIT OWNER COPY
Insert into parts manual
for future reference.

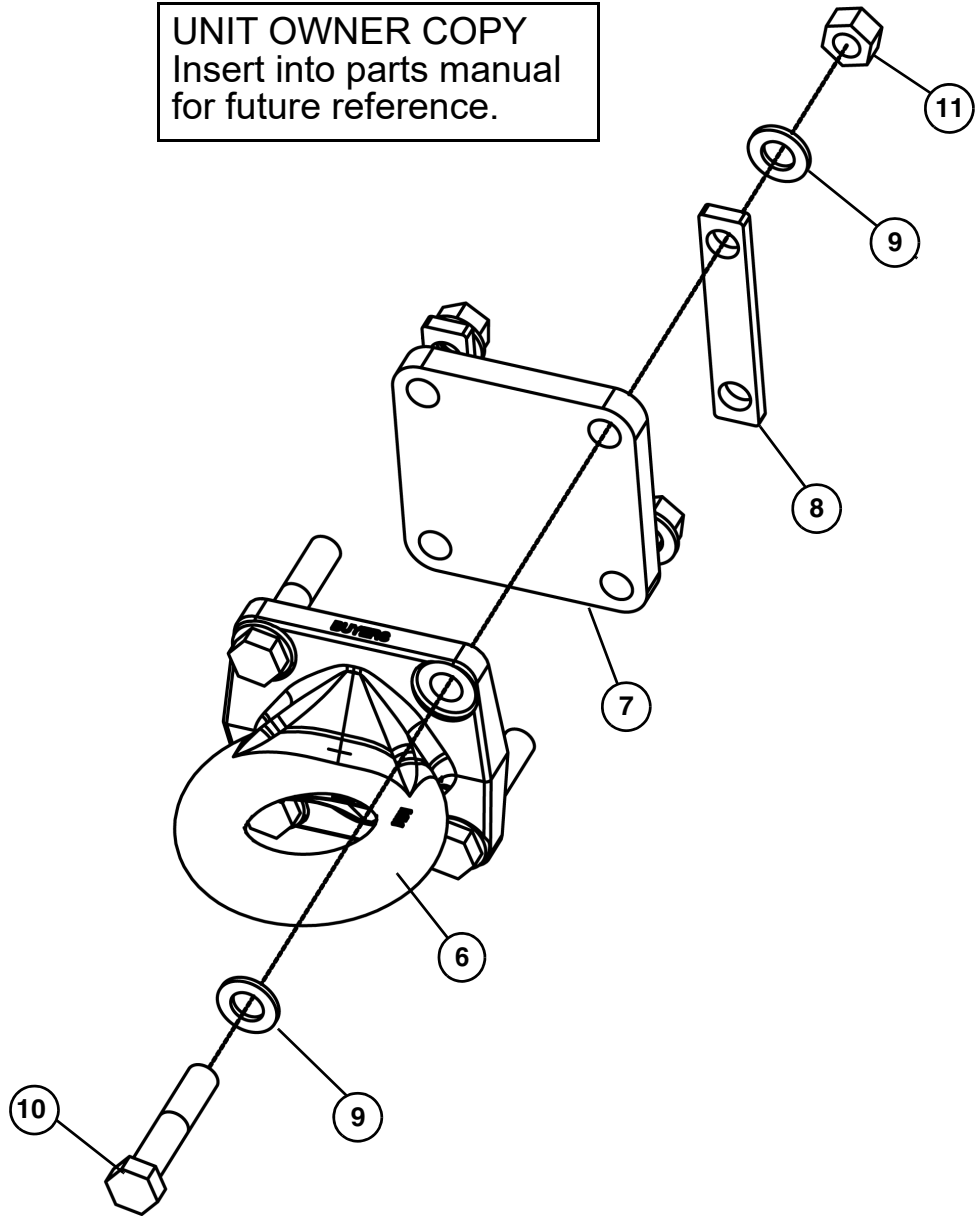


Figure 6 Parts List

<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>IK03 QTY.</u>	<u>IK04 QTY.</u>
6	163647055	BDB1385	1	1
7	163777817	PLATE - PINTLE SPACER	1	1
8	163811279	PLATE - BACKING SPACER	2	2
9	235717001	WASHER-FLATSTRL-.75-.81X1.47-.15-A325	8	8
10	250572001	SCREW-HCS-.75-10X3.75-GR8	4	4
11	397001	NUT-TLHEX-.75-10-C	4	4
		Kits include all items in Figure 6 parts list.		

Figure 7

UNIT OWNER COPY
Insert into parts manual
for future reference.

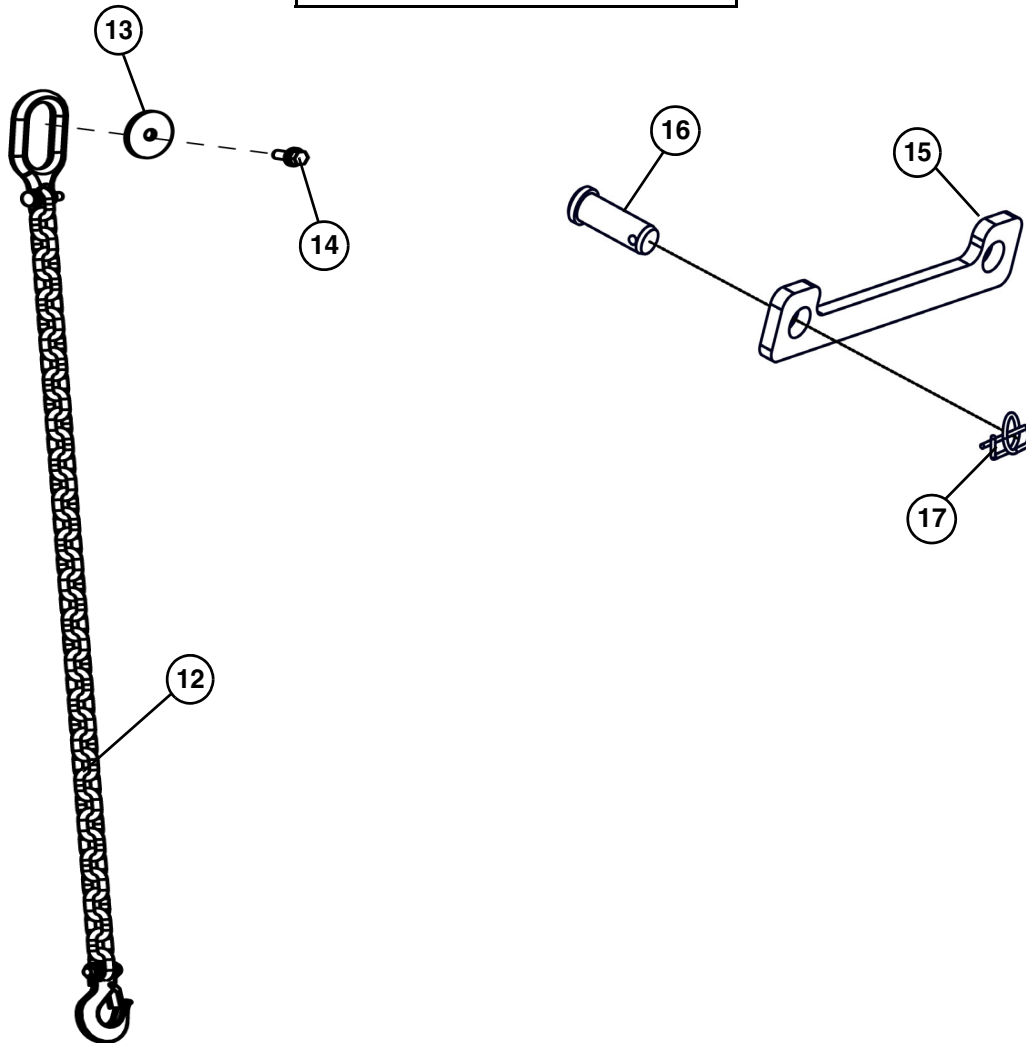


Figure 7 Parts List

<u>REF. NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>IK03 QTY.</u>	<u>IK04 QTY.</u>
12	163821344	ASSY - SAFETY CHAIN 3/8" G70	2	2
13	153863001	WASHER-FLATWRT-.63-.66X2.81-.19	2	2
14	296300788	SCREW-HFS-.50-13X1.00-GR8	2	2
15	163811216	SHEET - LOCK PLATE	1	1
16	2110025	PIN-CLEVIS .50X1.38	2	2
17	296516557	PIN- LOCKING COTTER 1/2"	2	2
		Kits include all items in Figure 7 parts list.		

UNIT OWNER COPY
Insert into parts manual
for future reference.

Figure 8

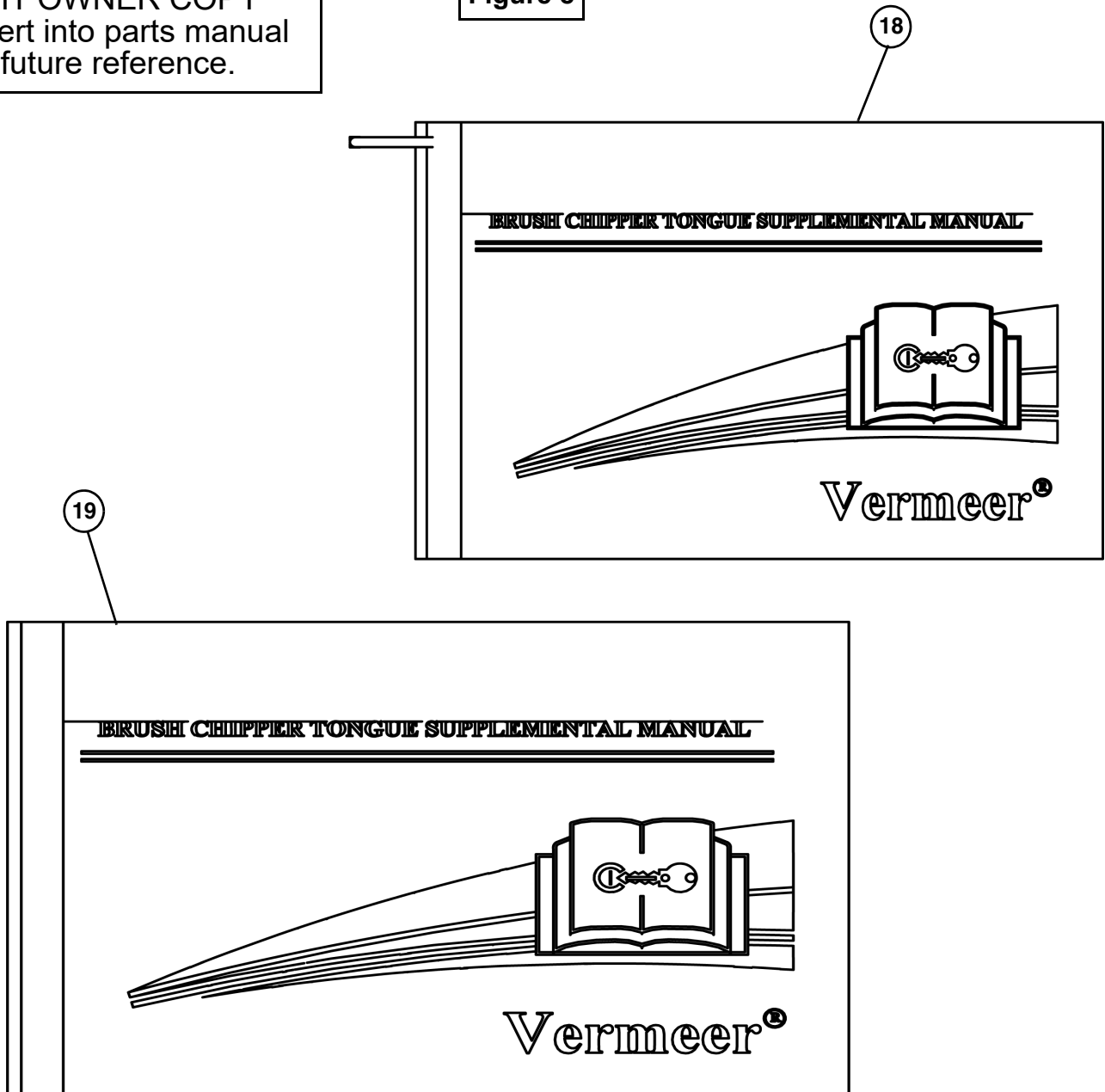


Figure 8 Parts List

REF. NO.	PART NO.	DESCRIPTION	IK03 QTY	IK04 QTY
18	163811878	BRUSH CHIPPER TONGUE SUPPLEMENTAL MANUAL CABLED	1	1
19	105400GN8	BRUSH CHIPPER TONGUE SUPPLEMENTAL MANUAL	1	1
Kits include all items in Figure 8 parts list.				